

# Converting Colors

XYZ(76.5889, 91.0215, 83.7049)

Have a look what the booklet for  
XYZ(76.5889, 91.0215, 83.7049)  
contains.

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# Color

**XYZ(76.6551, 91.0480,  
84.0549)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | D5FFE0                       |
| RGB         | 213, 255, 224                |
| RGB Percent | 84%, 100%, 88%               |
| CMY         | 0.1647, 0.0000, 0.1216       |
| CMYK        | 0.16, 0.00, 0.12, 0.00       |
| HSL         | 136°, 100%, 92%              |
| HSV         | 136°, 16%, 100%              |
| XYZ         | 76.6551, 91.0480, 84.0549    |
| YIQ         | 238.9080, -15.0810, -18.5450 |

# Conversions

## Conversions Part 2

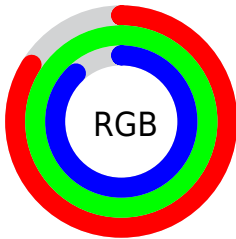
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 213, 246, 255                  |
| Decimal                             | 14024672                       |
| CIE <sub>Lab</sub>                  | 96.43, -19.20, 10.37           |
| CIE <sub>LCh</sub>                  | 96, 21.823, 151.614            |
| Yxy                                 | 91.0480, 0.3045,<br>0.3616     |
| Android<br>(android.graphics.Color) | 4292214752<br>(0xFFD5FFE0)     |
| YUV                                 | 238.9080, -7.3496,<br>-22.7213 |
| Hunter-Lab                          | 95.4191, -23.5851,<br>14.5646  |

# Details

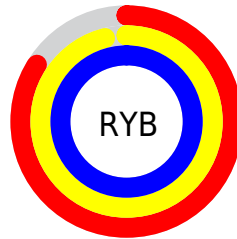
The XYZ color **76.6551, 91.0480, 84.0549** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.3637, 75.3809, 95.8492**, and the grayscale version is **82.0358, 86.3081, 93.9895**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4561, 50.5218, 45.1028** is the 20% darker color. If you saturate the color by 10%, you get **67.4178, 86.5647, 71.0277**, and if you desaturate by 10%, it is **87.3394, 96.2444, 98.6276**.

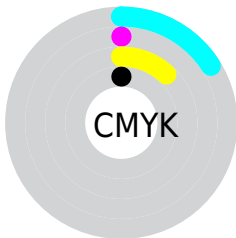
# Distribution



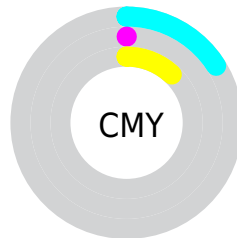
- Red (84%)
- Green (100%)
- Blue (88%)



- Red (84%)
- Yellow (96%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6551, 91.0480, 84.0549 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.6551, 91.0480, 84.0549 by changing the saturation by 10% instead.




 76.6551, 91.0480,  
84.0549

 76.6551, 91.0480,  
84.0549


472.4973,  
531.4341, 528.5583

 57.2688, 68.8502,  
62.5151


127.6279,  
148.7933, 140.9144

 41.4621, 50.5897,  
45.0106


159.9452,  
185.1095, 177.0712

 28.8696, 35.8822,  
31.1227


197.3034,  
226.9006, 218.9373

 19.1260, 24.3432,  
20.4331

240.0680,  
274.5511, 266.9315

 11.8659, 15.5884,  
12.5231

288.6044,  
328.4453, 321.4721

 6.7240, 9.2334,  
6.9741

343.2778,

 3.3349, 4.8937,

388.9676, 382.9778

3.3677

404.4536,  
456.5024, 451.8670

■ 1.3332, 2.1850,  
1.2853

■ 0.2079, 0.7118,  
0.0497

■ 76.6551, 91.0480,  
84.0549

■ 76.6551, 91.0480,  
84.0549

■ 67.4178, 86.5647,  
71.0277

■ 87.3394, 96.2444,  
98.6276

■ 59.5619, 82.7620,  
59.4909

95.0500, 100.0000,  
108.9000

■ 53.0200, 79.6063,  
49.3923

■ 47.7181, 77.0605,  
40.6753

■ 43.5744, 75.0838,  
33.2791

■ 40.4970, 73.6301,  
27.1387

■ 38.3793, 72.6459,  
22.1832

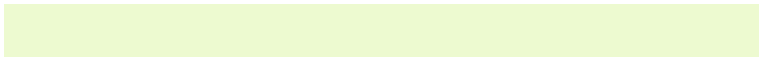
■ 37.0898, 72.0649,  
18.3343

■ 36.7669, 71.9227,  
17.2221

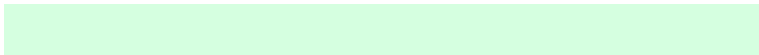
# Harmonies

## Analogous

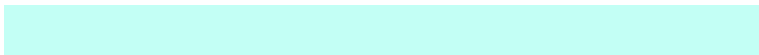
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5535, 91.0480, 73.2687



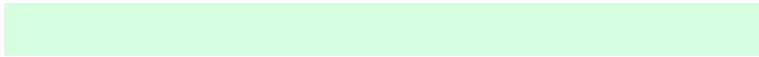
76.6551, 91.0480, 84.0549



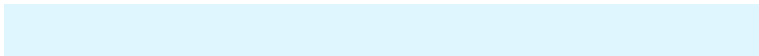
75.3702, 91.0480, 100.0820

# Triad

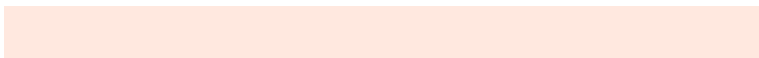
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6551, 91.0480, 84.0549



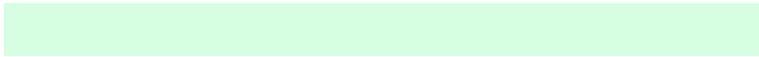
86.8682, 91.0480, 136.5125



96.8811, 91.0480, 82.5998

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.6551, 91.0480, 84.0549



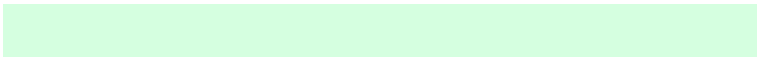
81.3637, 75.3809, 95.8492

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.7587, 91.0480, 98.1955



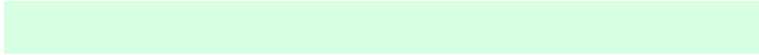
76.6551, 91.0480, 84.0549



92.8126, 91.0480, 130.4702

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6551, 91.0480, 84.0549



81.0986, 91.0480, 131.6062



97.2367, 91.0480, 115.9206

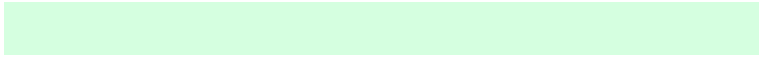


92.2162, 91.0480, 72.5004



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



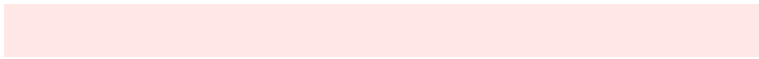
76.6551, 91.0480, 84.0549



76.1181, 91.0480, 111.9877



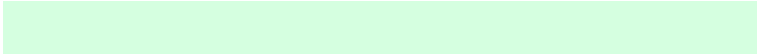
97.2367, 91.0480, 115.9206



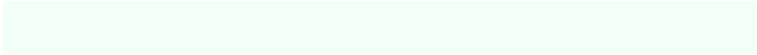
97.8688, 91.0480, 87.3068

# Sweetspot

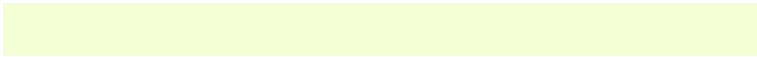
The Sweet Spot groups the original color and five complimentary colors.



76.6558, 91.0483, 84.0563



89.0354, 97.0702, 100.9026



85.2525, 95.6469, 76.9202



18.8828, 20.6921, 21.3636



0.0000, 0.0000, 0.0000

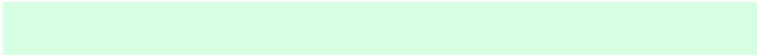


20.3446, 21.4041, 23.3091

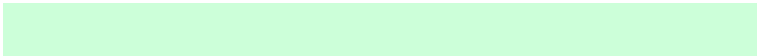


# Same Dimension

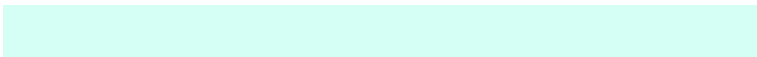
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6558, 91.0483, 84.0563



73.2329, 89.3858, 79.2836



79.6062, 92.2284, 99.5930



17.9668, 20.2463, 20.1284



19.2631, 37.6018, 9.2708



1.9182, 3.6782, 1.1269



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.3637, 75.3809, 95.8492



78.8061, 70.8350, 93.2416



78.4216, 74.2040, 80.3563



18.5776, 18.2143, 21.6586



26.3682, 13.0366, 26.3870

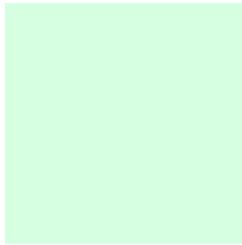


2.6123, 1.2873, 2.8056



# Previews

## White Background



This preview shows how the XYZ color 76.6551, 91.0480, 84.0549 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

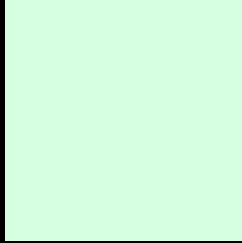
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6551, 91.0480, 84.0549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

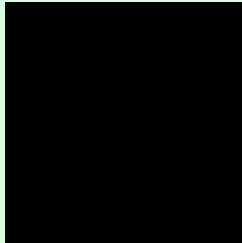
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

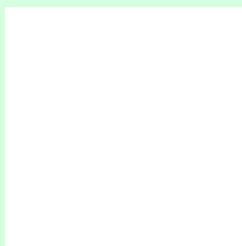
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.6551, 91.0480, 84.0549**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6551, 91.0480, 84.0549.



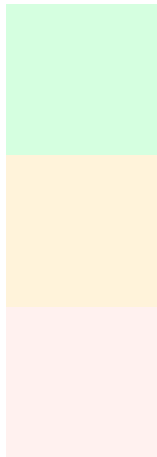
This preview shows how white text looks on a background with the XYZ color 76.6551, 91.0480,

84.0549.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

76.6551, 91.0480, 84.0549

### Protanopia

85.9455, 90.4231, 79.2533

### Deuteranopia

88.2753, 90.4026, 94.4582



## Tritanopia

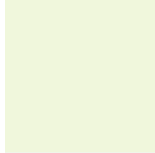
84.9375, 90.6240, 107.6232

# Trichromacy



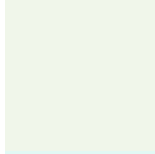
## Original Color

76.6551, 91.0480, 84.0549



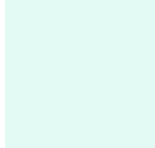
## Protanomaly

82.1142, 90.2141, 80.7953



## Deuteranomaly

83.7422, 90.3773, 90.8728



## Tritanomaly

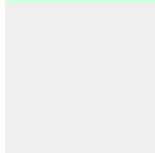
81.5688, 90.4518, 98.7478

# Monochromacy



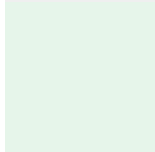
## Original Color

76.6551, 91.0480, 84.0549



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

80.1368, 88.0683, 90.6171

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6551, 91.0480, 84.0549 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(213, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 224)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(213, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6551, 91.0480, 84.0549 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 255, 224) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(213, 255, 224) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(213, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6551, 91.0480, 84.0549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 224) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(213,  
255, 224) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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