

# Converting Colors

XYZ(75.7977, 90.7453, 77.7160)

Have a look what the booklet for  
XYZ(75.7977, 90.7453, 77.7160)  
contains.

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# Color

**XYZ(75.7573, 90.7224,  
77.8083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FFD7
RGB	214, 255, 215
RGB Percent	84%, 100%, 84%
CMY	0.1608, 0.0000, 0.1569
CMYK	0.16, 0.00, 0.16, 0.00
HSL	121°, 100%, 92%
HSV	121°, 16%, 100%
XYZ	75.7573, 90.7224, 77.8083
YIQ	238.1810, -11.5960, -21.1320

# Conversions

## Conversions Part 2

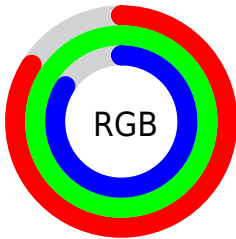
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 254, 255
Decimal	14090199
CIE <sub>Lab</sub>	96.30, -20.45, 14.81
CIE <sub>LCh</sub>	96, 25.243, 144.089
Yxy	90.7224, 0.3101, 0.3714
Android (android.graphics.Color)	4292280279 (0xFFD6FFD7)
YUV	238.1810, -11.4282, -21.2067
Hunter-Lab	95.2483, -24.7116, 18.2398

# Details

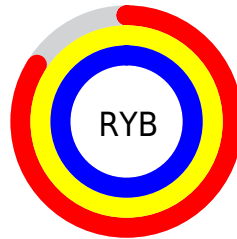
The XYZ color **75.7573, 90.7224, 77.8083** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.1763, 76.5096, 104.1495**, and the grayscale version is **81.4999, 85.7443, 93.3755**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8373, 50.2972, 40.8137** is the 20% darker color. If you saturate the color by 10%, you get **65.9307, 85.9983, 61.9109**, and if you desaturate by 10%, it is **87.2365, 96.2423, 96.3232**.

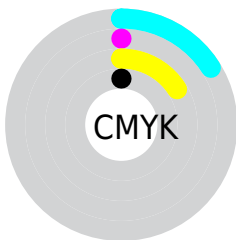
# Distribution



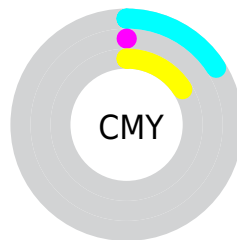
- Red (84%)
- Green (100%)
- Blue (84%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7573, 90.7224, 77.8083 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 75.7573, 90.7224, 77.8083 by changing the saturation by 10% instead.




 75.7573, 90.7224,  
77.8083

 75.7573, 90.7224,  
77.8083


469.4737,  
530.3780, 507.0262

 56.5299, 68.5800,  
57.4010


126.3660,  
148.3414, 132.0633

 40.8666, 50.3697,  
40.9158


158.4779,  
184.5868, 166.7480

 28.4021, 35.7072,  
27.9341


195.6154,  
226.3020, 207.0290

 18.7710, 24.2082,  
18.0374

238.1438,  
273.8713, 253.3247

 11.6079, 15.4881,  
10.8071

286.4285,  
327.6791, 306.0538

 6.5476, 9.1627,  
5.8247

340.8348,

 3.2246, 4.8474,

388.1099, 365.6347

2.6717

401.7281,  
455.5481, 432.4860

■ 1.2736, 2.1580,  
0.9292

■ 0.1633, 0.6970,  
0.0000

■ 75.7573, 90.7224,  
77.8083

■ 75.7573, 90.7224,  
77.8083

■ 65.9307, 85.9983,  
61.9109

■ 87.2365, 96.2423,  
96.3232

■ 57.6786, 82.0323,  
48.5089

95.0500, 100.0000,  
108.9000

■ 50.9198, 78.7852,  
37.4771

■ 45.5651, 76.2140,  
28.6775

■ 41.5158, 74.2710,  
21.9579

■ 38.6602, 72.9024,  
17.1475

■ 36.8680, 72.0453,  
14.0478

■ 35.9786, 71.6219,  
12.4176

■ 35.7941, 71.5336,  
12.0995

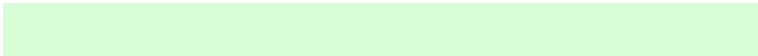
# Harmonies

## Analogous

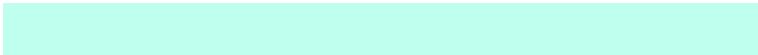
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8390, 90.7224, 67.5407



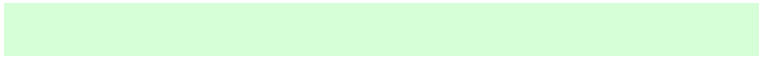
75.7573, 90.7224, 77.8083



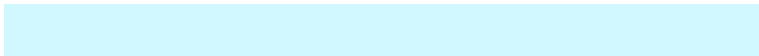
73.4938, 90.7224, 94.8553

# Triad

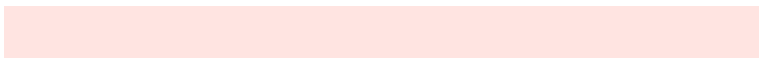
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7573, 90.7224, 77.8083



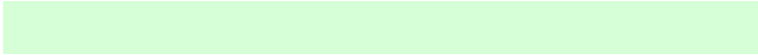
84.8470, 90.7224, 142.4123



99.1406, 90.7224, 83.8358

# Complementary

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



75.7573, 90.7224, 77.8083



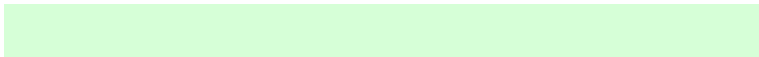
83.1763, 76.5096, 104.1495

# 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.



100.3562, 90.7224, 102.8141



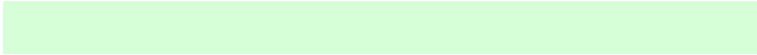
75.7573, 90.7224, 77.8083



91.8533, 90.7224, 138.4183

# Square

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



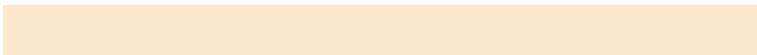
75.7573, 90.7224, 77.8083



78.5557, 90.7224, 133.4952



97.6236, 90.7224, 123.2202

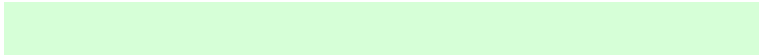


94.3863, 90.7224, 70.6763



# Rectangle

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



75.7573, 90.7224, 77.8083



73.7945, 90.7224, 108.4881



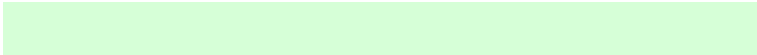
97.6236, 90.7224, 123.2202



99.9871, 90.7224, 89.6714

# Sweetspot

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



75.7580, 90.7228, 77.8097



88.5753, 96.8861, 98.4794



88.8869, 97.5058, 77.7550



18.7714, 20.6475, 20.7770



0.0000, 0.0000, 0.0000

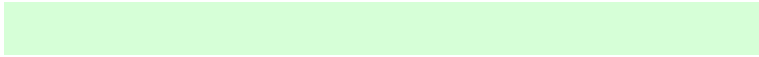


20.3446, 21.4041, 23.3091

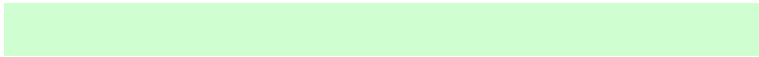


# Same Dimension

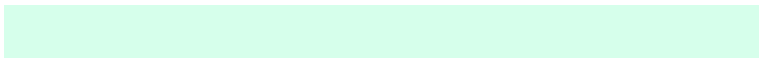
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7580, 90.7228, 77.8097



72.7188, 89.2616, 72.8985



78.5140, 91.8252, 92.3227



17.7895, 20.1753, 19.1947



18.7109, 37.3810, 6.3631



1.8279, 3.6421, 0.6513



# Inverse Universe

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



83.1763, 76.5096, 104.1495



81.3042, 72.8120, 103.3819



80.1120, 75.2839, 88.0134



18.7724, 18.2923, 22.6846



30.4738, 14.6788, 48.0071

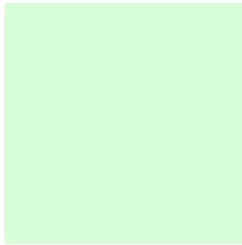


2.9730, 1.4316, 4.7051



# Previews

## White Background



This preview shows how the XYZ color 75.7573, 90.7224, 77.8083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

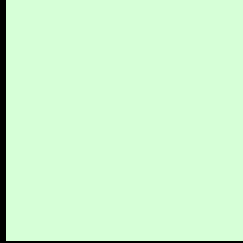
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.7573, 90.7224, 77.8083 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

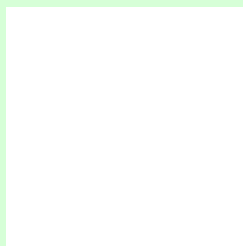
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.7573, 90.7224, 77.8083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.7573, 90.7224, 77.8083.



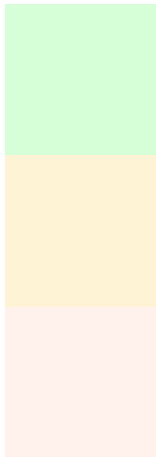
This preview shows how white text looks on a background with the XYZ color 75.7573, 90.7224,

77.8083.

# 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

75.7573, 90.7224, 77.8083

### Protanopia

85.3008, 90.1653, 75.8586

### Deuteranopia

87.8356, 90.2267, 92.1429



## Tritanopia

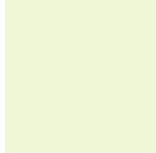
84.9375, 90.6240, 107.6232

# Trichromacy



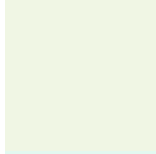
## Original Color

75.7573, 90.7224, 77.8083



## Protanomaly

81.3335, 89.9018, 76.6844



## Deuteranomaly

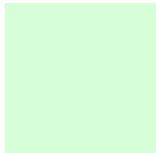
82.8945, 90.0382, 86.4089



## Tritanomaly

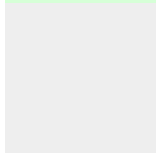
81.2824, 90.3735, 95.5979

# Monochromacy



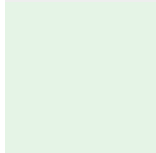
## Original Color

75.7573, 90.7224, 77.8083



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

78.9467, 87.0726, 87.5087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.7573, 90.7224, 77.8083 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(214, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 215)  
}
```

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(214, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 75.7573, 90.7224, 77.8083 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".

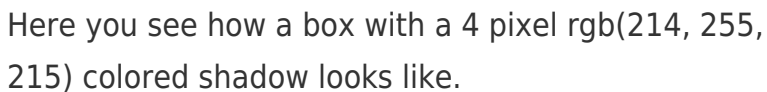
```
.border, #border, table{ border:4px solid rgb(214, 255, 215) }
```



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

```
.border{ border-color:rgb(214, 255, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(214, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 255, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 255, 215); box-shadow:4px 4px 4px 4px rgb(214, 255, 215) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.7573, 90.7224, 77.8083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 215) }
```

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

```
.background{ background-color: rgb(214,  
255, 215) }
```

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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