

# Converting Colors

XYZ(111.2993, 163.7718,  
84.7273)

Have a look what the booklet for  
XYZ(111.2993, 163.7718, 84.7273)  
contains.

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# **Color**

**XYZ(74.4631, 90.1711,  
72.5116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FFCF
RGB	213, 255, 207
RGB Percent	84%, 100%, 81%
CMY	0.1647, 0.0000, 0.1882
CMYK	0.16, 0.00, 0.19, 0.00
HSL	113°, 100%, 91%
HSV	113°, 19%, 100%
XYZ	74.4631, 90.1711, 72.5116
YIQ	236.9700, -9.6240, -23.8320

# Conversions

## Conversions Part 2

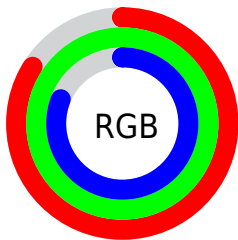
Format	Color
R <sub>Y</sub> B	207, 255, 249
Decimal	14024655
CIE Lab	96.07, -22.12, 18.57
CIE LCh	96, 28.877, 139.989
Yxy	90.1711, 0.3140, 0.3802
Android (android.graphics.Color)	4292214735 (0xFFD5FFCF)
YUV	236.9700, -14.7752, -21.0217
Hunter-Lab	94.9585, -26.2039, 21.1963

# Details

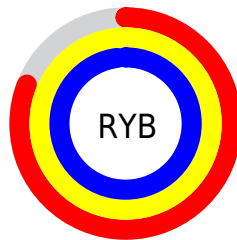
The XYZ color **74.4631, 90.1711, 72.5116** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.4304, 71.9865, 104.3161**, and the grayscale version is **80.5882, 84.7851, 92.3310**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0444, 49.9572, 37.6691** is the 20% darker color. If you saturate the color by 10%, you get **65.5598, 85.9129, 57.1141**, and if you desaturate by 10%, it is **84.7617, 95.0905, 90.6053**.

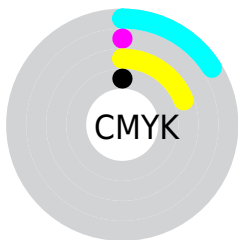
# Distribution



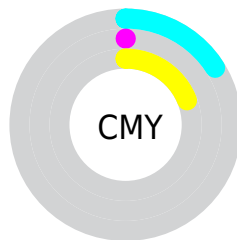
- Red (84%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4631, 90.1711, 72.5116 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 74.4631, 90.1711, 72.5116 by changing the saturation by 10% instead.




 74.4631, 90.1711,  
72.5116

 74.4631, 90.1711,  
72.5116


465.0958,  
528.5873, 488.3457

 55.4658, 68.1226,  
53.0873


124.5440,  
147.5760, 124.4981

 40.0101, 49.9975,  
37.4843


156.3584,  
183.7012, 157.8974

 27.7306, 35.4114,  
25.2839


193.1758,  
225.2874, 196.7921

 18.2621, 23.9799,  
16.0678

235.3615,  
272.7190, 241.6007

 11.2392, 15.3187,  
9.4173

283.2811,  
326.3804, 292.7419

 6.2964, 9.0434,  
4.9138

337.2997,

 3.0685, 4.7695,

386.6560, 350.6340

2.1389

397.7829,  
453.9301, 415.6958

■ 1.1901, 2.1127,  
0.6388

■ 0.0985, 0.6717,  
0.0000

■ 74.4631, 90.1711,  
72.5116

■ 74.4631, 90.1711,  
72.5116

■ 65.5598, 85.9129,  
57.1141

■ 84.7617, 95.0905,  
90.6053

■ 57.9896, 82.2866,  
44.2799

95.0500, 100.0000,  
108.9000

■ 51.6884, 79.2620,  
33.8711

■ 46.5861, 76.8065,  
25.7350

■ 42.6057, 74.8839,  
19.7018

■ 39.6608, 73.4540,  
15.5780

■ 37.6524, 72.4706,  
13.1341

■ 36.4528, 71.8752,  
12.0383

■ 36.3517, 71.8251,  
11.9477

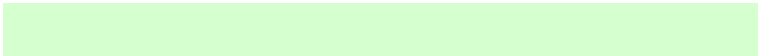
# Harmonies

## Analogous

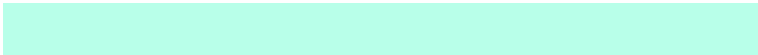
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5572, 90.1711, 62.3511



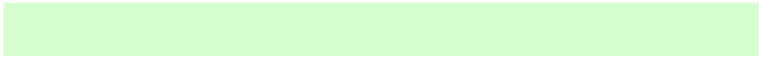
74.4631, 90.1711, 72.5116



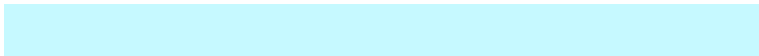
71.4421, 90.1711, 90.7260

# Triad

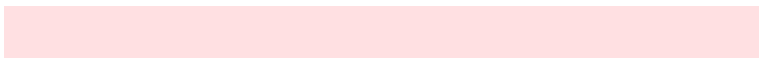
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.4631, 90.1711, 72.5116



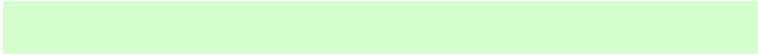
83.0607, 90.1711, 148.2238



100.9761, 90.1711, 83.8887

# Complementary

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



74.4631, 90.1711, 72.5116



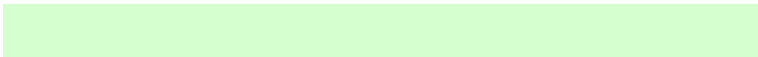
79.4304, 71.9865, 104.3161

# 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.



101.7500, 90.1711, 106.0335



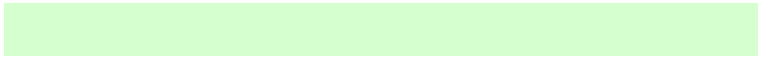
74.4631, 90.1711, 72.5116



91.0674, 90.1711, 145.6310

# Square

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



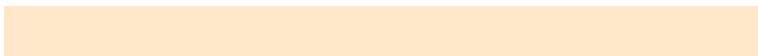
74.4631, 90.1711, 72.5116



76.1977, 90.1711, 135.9036



98.0248, 90.1711, 129.2892

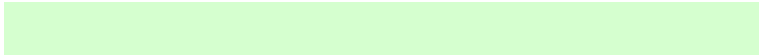


95.9718, 90.1711, 68.1772

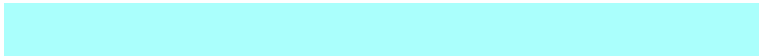


# Rectangle

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



74.4631, 90.1711, 72.5116



71.4412, 90.1711, 106.0166



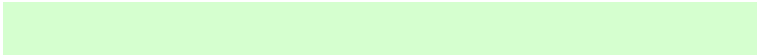
98.0248, 90.1711, 129.2892



101.7511, 90.1711, 90.7413

# Sweetspot

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



74.4638, 90.1715, 72.5130



87.9287, 96.6022, 96.2164



86.2550, 93.2696, 72.4895



18.6613, 20.6009, 20.3121



0.0000, 0.0000, 0.0000

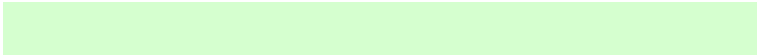


20.3446, 21.4041, 23.3091

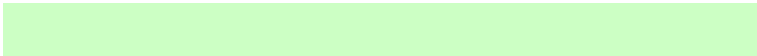


# Same Dimension

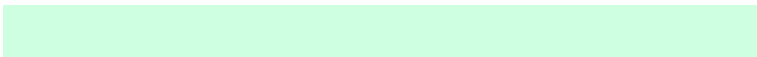
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4638, 90.1715, 72.5130



70.5782, 88.3138, 65.7601



75.0290, 90.2002, 84.4053



17.9825, 20.2769, 19.1104



19.0598, 37.5638, 6.2460



1.9191, 3.6901, 0.6111



# Inverse Universe

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



79.4304, 71.9865, 104.3161



76.4631, 66.7540, 103.4625



78.8980, 72.0245, 90.1718



18.5561, 18.1784, 22.7807



25.4408, 12.0257, 50.4149

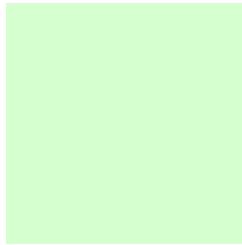


2.5370, 1.2018, 4.9115



# Previews

## White Background



This preview shows how the XYZ color 74.4631, 90.1711, 72.5116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

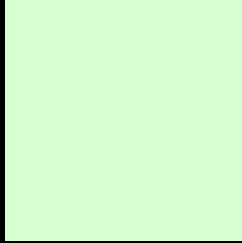
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.4631, 90.1711, 72.5116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

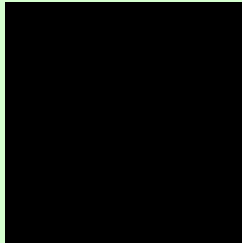
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

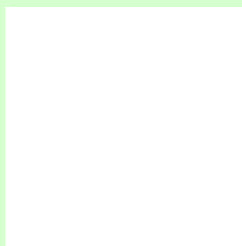
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.4631, 90.1711, 72.5116**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4631, 90.1711, 72.5116.



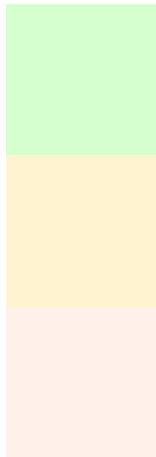
This preview shows how white text looks on a background with the XYZ color 74.4631, 90.1711,



# 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

74.4631, 90.1711, 72.5116

### Protanopia

84.6758, 89.9153, 72.5670

### Deuteranopia

87.2514, 89.5207, 90.5225



## Tritanopia

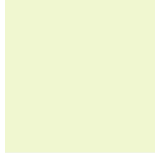
84.3067, 89.8485, 107.5068

# Trichromacy



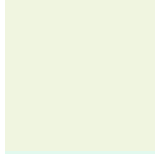
## Original Color

74.4631, 90.1711, 72.5116



## Protanomaly

80.5811, 89.6009, 72.7221



## Deuteranomaly

82.0421, 89.2119, 83.4165



## Tritanomaly

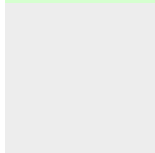
80.6723, 90.0932, 94.0268

# Monochromacy



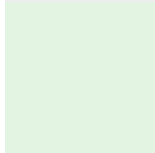
## Original Color

74.4631, 90.1711, 72.5116



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.0731, 86.6863, 84.5688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4631, 90.1711, 72.5116 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4631, 90.1711, 72.5116 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, 207) }
```



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

```
.border{ border-color:rgb(213, 255, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4631, 90.1711, 72.5116 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, 207) }
```

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

```
.background{ background-color: rgb(213,  
255, 207) }
```

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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