

# Converting Colors

XYZ(75.1494, 84.4507,  
106.9476)

Have a look what the booklet for  
XYZ(75.1494, 84.4507, 106.9476)  
contains.

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# **Color**

**XYZ(75.0024, 84.1586,  
106.8989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF3FF
RGB	204, 243, 255
RGB Percent	80%, 95%, 100%
CMY	0.2000, 0.0470, 0.0000
CMYK	0.20, 0.05, 0.00, 0.00
HSL	194°, 100%, 90%
HSV	194°, 20%, 100%
XYZ	75.0024, 84.1586, 106.8989
YIQ	232.7070, -27.0960, -4.5360

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 226, 255
Decimal	13431807
CIE <sub>Lab</sub>	93.52, -10.02, -9.95
CIE <sub>LCh</sub>	94, 14.124, 224.793
Yxy	84.1586, 0.2819, 0.3163
Android (android.graphics.Color)	4291621887 (0xFFCCCF3FF)
YUV	232.7070, 10.9904, -25.1760
Hunter-Lab	91.7380, -14.6049, -4.8719

# Details

The XYZ color **75.0024, 84.1586, 106.8989** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.6946, 74.7302, 67.5104**, and the grayscale version is **77.1683, 81.1871, 88.4128**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3578, 46.0074, 60.1793** is the 20% darker color. If you saturate the color by 10%, you get **66.8119, 77.3171, 106.0101**, and if you desaturate by 10%, it is **84.4002, 91.7139, 107.8619**.

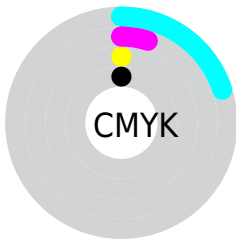
# Distribution



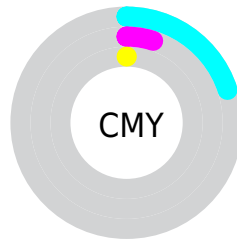
- Red (80%)
- Green (95%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0024, 84.1586, 106.8989 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 75.0024, 84.1586, 106.8989 by changing the saturation by 10% instead.



75.0024, 84.1586,  
106.8989

75.0024, 84.1586,  
106.8989

466.9229,  
508.8398, 603.5265

55.9090, 63.1464,  
81.4256

125.3036,  
139.1970, 172.7403

40.3667, 45.9596,  
60.3591

157.2422,  
173.9920, 213.9454

28.0101, 32.2140,  
43.2810

194.1933,  
214.1500, 261.2316

18.4737, 21.5250,  
29.7726

236.5222,  
260.0555, 315.0173

11.3924, 13.5083,  
19.4155

284.5942,  
312.0928, 375.7211

6.4006, 7.7795,  
11.7910

338.7748,

3.1331, 3.9542,

370.6464, 443.7615

6.4807

399.4292,  
436.1006, 519.5572

■ 1.2246, 1.6480,  
3.0661

■ 0.1256, 0.3896,  
1.1285

■ 75.0024, 84.1586,  
106.8989

■ 75.0024, 84.1586,  
106.8989

■ 66.8119, 77.3171,  
106.0101

■ 84.4002, 91.7139,  
107.8619

■ 59.7659, 71.1497,  
105.1910

95.0500, 100.0000,  
108.9000

■ 53.8058, 65.6275,  
104.4393

■ 48.8650, 60.7153,  
103.7515

■ 44.8689, 56.3739,  
103.1241

■ 41.7327, 52.5585,  
102.5530

■ 39.3549, 49.2161,  
102.0332

■ 37.5703, 46.2605,  
101.5568

■ 37.5701, 46.2603,  
101.5567

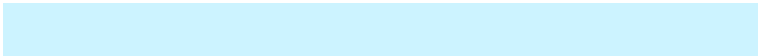
# Harmonies

## Analogous

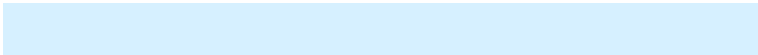
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2472, 84.1586, 96.9857



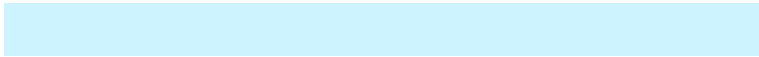
75.0024, 84.1586, 106.8989



78.1217, 84.1586, 112.9440

# Triad

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



75.0024, 84.1586, 106.8989



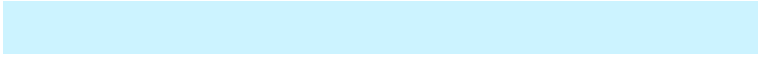
87.1207, 84.1586, 97.1345



78.1709, 84.1586, 73.1564

# Complementary

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



75.0024, 84.1586, 106.8989



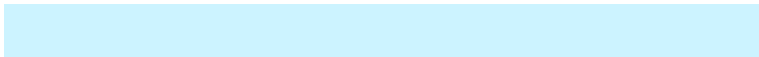
76.6946, 74.7302, 67.5104

# 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.



81.8883, 84.1586, 73.1894



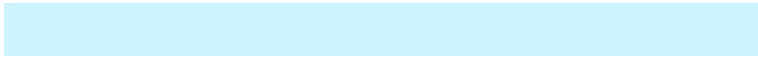
75.0024, 84.1586, 106.8989



87.1349, 84.1586, 86.4836

# Square

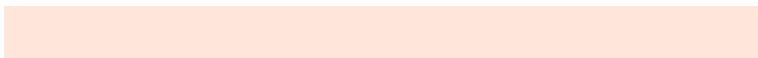
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0024, 84.1586, 106.8989



85.1563, 84.1586, 107.0151



85.1944, 84.1586, 77.8969

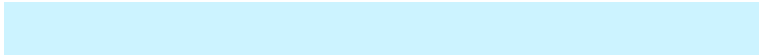


75.0375, 84.1586, 77.8029

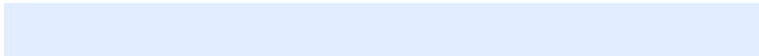


# Rectangle

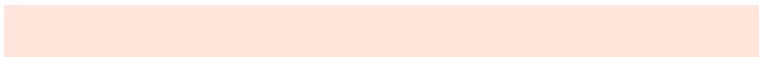
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0024, 84.1586, 106.8989



80.5917, 84.1586, 113.6906



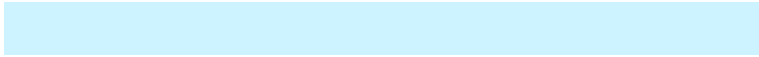
85.1944, 84.1586, 77.8969



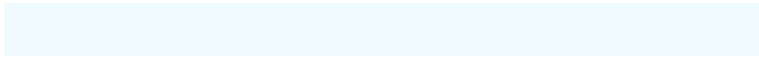
79.3917, 84.1586, 72.6330

# Sweetspot

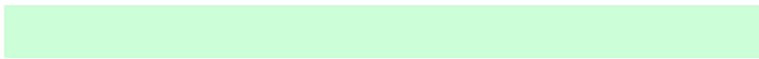
The Sweet Spot groups the original color and five complimentary colors.



75.0046, 84.1619, 106.8995



88.5061, 94.9382, 108.2679



73.0445, 89.3105, 78.2881



18.7974, 20.2062, 23.1594



0.0000, 0.0000, 0.0000

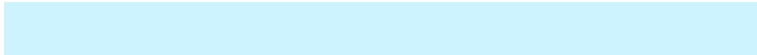


20.3446, 21.4041, 23.3091

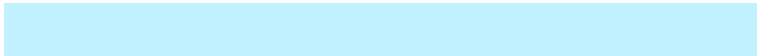


# Same Dimension

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



75.0046, 84.1619, 106.8995



71.5854, 81.3401, 106.5350



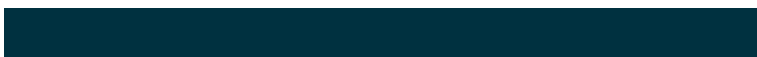
67.9208, 69.9943, 104.5382



18.1715, 19.7145, 23.0975



19.7516, 24.4127, 53.1057



2.0064, 2.5436, 5.1985



# Inverse Universe

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



79.0119, 70.9183, 94.3223



76.3056, 66.0819, 91.6437



83.7134, 88.7678, 69.8500



18.5992, 18.2230, 21.7725



26.7579, 13.1924, 28.4392

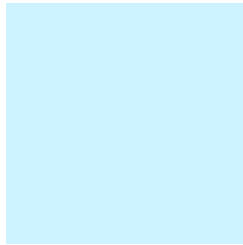


2.6474, 1.3013, 2.9904



# Previews

## White Background



This preview shows how the XYZ color 75.0024, 84.1586, 106.8989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

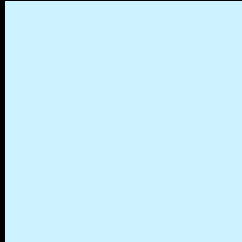
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0024, 84.1586, 106.8989 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

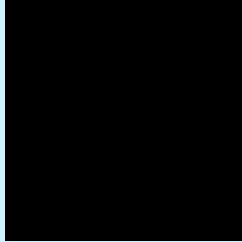
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.0024, 84.1586, 106.8989

## Background



This preview shows how black text looks on a background with the XYZ color 75.0024, 84.1586, 106.8989.



This preview shows how white text looks on a background with the XYZ color 75.0024, 84.1586,



# 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

75.0024, 84.1586, 106.8989

### Protanopia

81.2702, 83.5806, 102.2918

### Deuteranopia

84.7046, 83.5878, 106.2774



## Tritanopia

76.9416, 83.8363, 106.7345

# Trichromacy



## Original Color

75.0024, 84.1586, 106.8989

## Protanomaly

78.5953, 83.4439, 104.0593

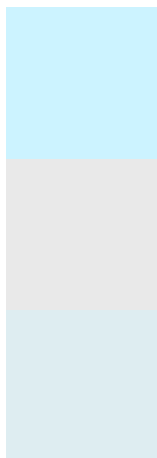
## Deuteranomaly

80.7133, 83.6256, 106.4950

## Tritanomaly

76.0836, 83.8322, 106.7789

# Monochromacy



## Original Color

75.0024, 84.1586, 106.8989

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.2856, 82.4488, 95.1126

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0024, 84.1586, 106.8989 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(204, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 243, 255)  
}
```

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(204, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 243, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0024, 84.1586, 106.8989 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(204, 243, 255) }
```



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

```
.border{ border-color:rgb(204, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0024, 84.1586, 106.8989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 243, 255) }
```

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

```
.background{ background-color: rgb(204,  
243, 255) }
```

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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