

# Converting Colors

XYZ(75.2875, 84.7286,  
106.9939)

Have a look what the booklet for  
XYZ(75.2875, 84.7286, 106.9939)  
contains.

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# Color

**XYZ(75.3025, 84.7587,  
106.9989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF4FF
RGB	204, 244, 255
RGB Percent	80%, 96%, 100%
CMY	0.2000, 0.0431, 0.0000
CMYK	0.20, 0.04, 0.00, 0.00
HSL	193°, 100%, 90%
HSV	193°, 20%, 100%
XYZ	75.3025, 84.7587, 106.9989
YIQ	233.2940, -27.3710, -5.0590

# Conversions

## Conversions Part 2

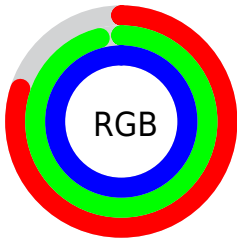
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 226, 255
Decimal	13432063
CIE Lab	93.78, -10.53, -9.57
CIE LCh	94, 14.224, 222.260
Yxy	84.7587, 0.2820, 0.3174
Android (android.graphics.Color)	4291622143 (0xFFCCCF4FF)
YUV	233.2940, 10.7011, -25.6908
Hunter-Lab	92.0645, -15.1120, -4.4627

# Details

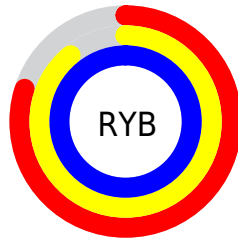
The XYZ color **75.3025, 84.7587, 106.9989** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.4393, 74.2195, 67.4255**, and the grayscale version is **77.6121, 81.6539, 88.9211**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5707, 46.4332, 60.2503** is the 20% darker color. If you saturate the color by 10%, you get **67.2480, 78.1893, 106.1554**, and if you desaturate by 10%, it is **84.5550, 92.0234, 107.9135**.

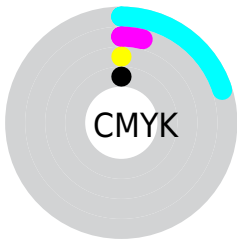
# Distribution



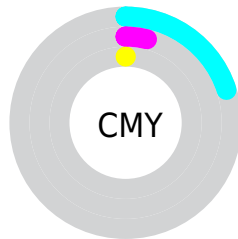
- Red (80%)
- Green (96%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3025, 84.7587, 106.9989 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 75.3025, 84.7587, 106.9989 by changing the saturation by 10% instead.



75.3025, 84.7587,  
106.9989

75.3025, 84.7587,  
106.9989

467.9378,  
510.8293, 603.8435

56.1558, 63.6420,  
81.5090

125.7261,  
140.0360, 172.8780

40.5653, 46.3608,  
60.4274

157.7337,  
174.9654, 214.1042

28.1658, 32.5306,  
43.3357

194.7590,  
215.2678, 261.4130

18.5918, 21.7671,  
29.8153

237.1672,  
261.3277, 315.2228

11.4779, 13.6859,  
19.4475

285.3239,  
313.5294, 375.9522

6.4589, 7.9025,  
11.8140

339.5943,

3.1694, 4.0326,

372.2573, 444.0198

6.4962

400.3439,  
437.8958, 519.8441

■ 1.2440, 1.6918,  
3.0754

■ 0.1407, 0.4184,  
1.1333

■ 75.3025, 84.7587,  
106.9989

■ 75.3025, 84.7587,  
106.9989

■ 67.2480, 78.1893,  
106.1554

■ 84.5550, 92.0234,  
107.9135

■ 60.3289, 72.2756,  
105.3787

95.0500, 100.0000,  
108.9000

■ 54.4866, 66.9890,  
104.6662

■ 49.6547, 62.2947,  
104.0147

■ 45.7588, 58.1535,  
103.4208

■ 42.7141, 54.5212,  
102.8801

■ 40.4193, 51.3449,  
102.3880

■ 38.7094, 48.5388,  
101.9365

■ 38.7093, 48.5385,  
101.9364

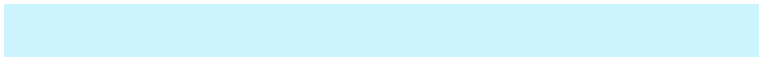
# Harmonies

## Analogous

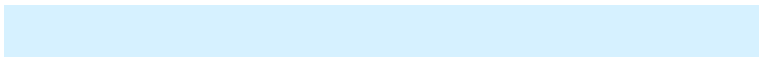
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6678, 84.7587, 96.7767



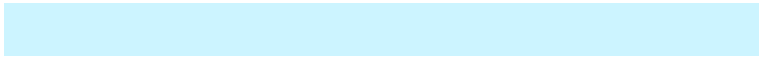
75.3025, 84.7587, 106.9989



78.3671, 84.7587, 113.5570

# Triad

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



75.3025, 84.7587, 106.9989



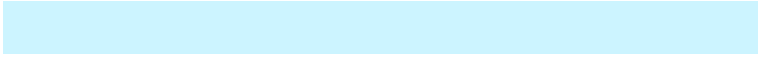
87.6801, 84.7587, 98.7739



79.0278, 84.7587, 73.4125

# Complementary

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



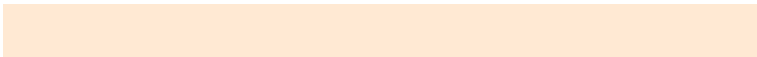
75.3025, 84.7587, 106.9989



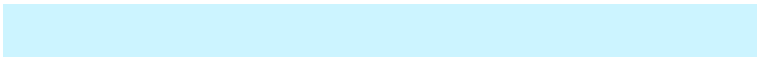
76.4393, 74.2195, 67.4255

# 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.



82.7946, 84.7587, 73.8555



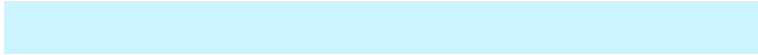
75.3025, 84.7587, 106.9989



87.8705, 84.7587, 87.9399

# Square

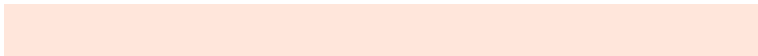
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3025, 84.7587, 106.9989



85.5456, 84.7587, 108.5590



86.0579, 84.7587, 78.9910

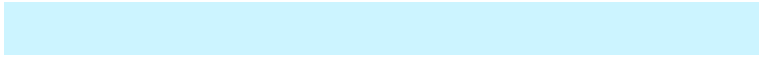


75.7731, 84.7587, 77.7295

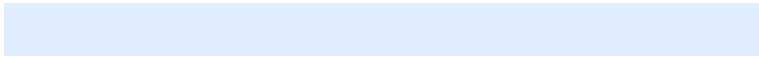


# Rectangle

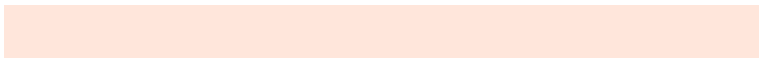
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3025, 84.7587, 106.9989



80.8474, 84.7587, 114.6782



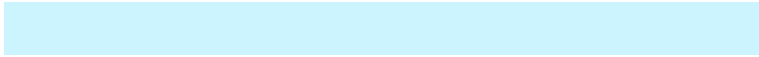
86.0579, 84.7587, 78.9910



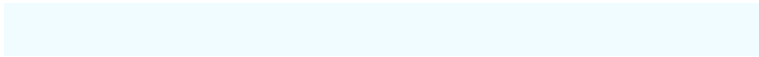
80.2745, 84.7587, 73.0198

# Sweetspot

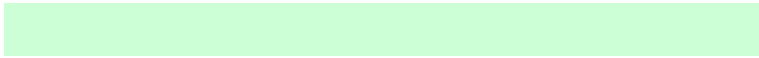
The Sweet Spot groups the original color and five complimentary colors.



75.3047, 84.7621, 106.9995



88.6001, 95.1261, 108.2992



72.8260, 89.2231, 77.1372



18.8197, 20.2507, 23.1668



0.0000, 0.0000, 0.0000

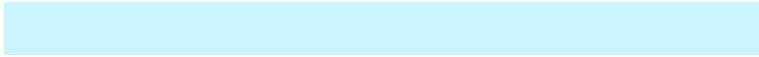


20.3446, 21.4041, 23.3091

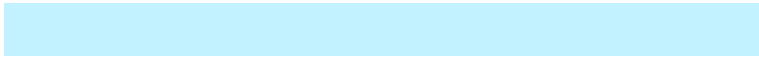


# Same Dimension

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



75.3047, 84.7621, 106.9995



71.9410, 82.0512, 106.6535



68.3630, 70.8785, 104.6855



18.2030, 19.7776, 23.1080



20.3404, 25.5904, 53.3020



2.0591, 2.6490, 5.2160



# Inverse Universe

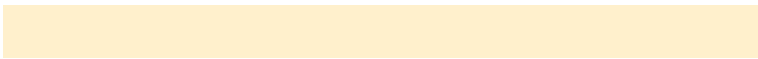
The Inverse Universe completely reimagines the original color for something new.



79.1634, 70.9790, 95.1198



76.4851, 66.1537, 92.5888



83.2115, 87.7639, 69.6829



18.6151, 18.2294, 21.8563



27.0551, 13.3113, 30.0043

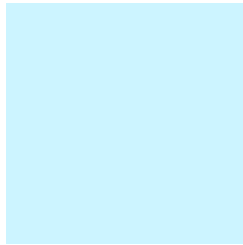


2.6740, 1.3120, 3.1305



# Previews

## White Background



This preview shows how the XYZ color 75.3025, 84.7587, 106.9989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

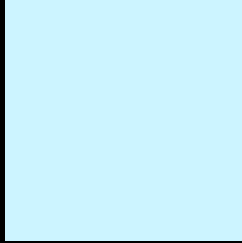
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3025, 84.7587, 106.9989 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

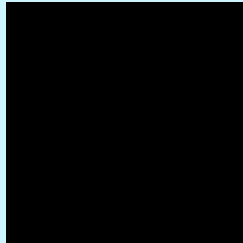
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.3025, 84.7587, 106.9989

## Background



This preview shows how black text looks on a background with the XYZ color 75.3025, 84.7587, 106.9989.



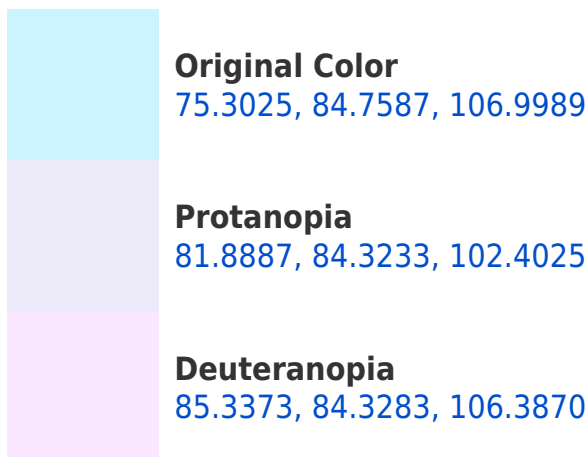
This preview shows how white text looks on a background with the XYZ color 75.3025, 84.7587,



# 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





## Tritanopia

77.5296, 84.5777, 106.8466

# Trichromacy



## Original Color

75.3025, 84.7587, 106.9989

## Protanomaly

79.1966, 84.1849, 104.1707

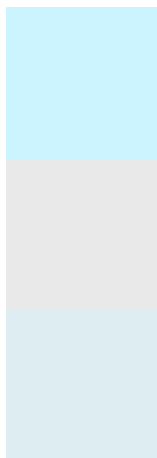
## Deuteranomaly

81.3242, 84.3667, 106.6059

## Tritanomaly

76.6661, 84.5731, 106.8913

# Monochromacy



## Original Color

75.3025, 84.7587, 106.9989

## 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 75.3025, 84.7587, 106.9989 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 244, 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, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3025, 84.7587, 106.9989 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, 244, 255) }
```



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

```
.border{ border-color:rgb(204, 244, 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, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3025, 84.7587, 106.9989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 244, 255) }
```

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

```
.background{ background-color: rgb(204,  
244, 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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