

# Converting Colors

XYZ(68.7970, 75.7540,  
105.6037)

Have a look what the booklet for  
XYZ(68.7970, 75.7540, 105.6037)  
contains.

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# **Color**

**XYZ(68.8740, 75.8412,  
105.6165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2E7FF
RGB	194, 231, 255
RGB Percent	76%, 91%, 100%
CMY	0.2392, 0.0941, 0.0000
CMYK	0.24, 0.09, 0.00, 0.00
HSL	204°, 100%, 88%
HSV	204°, 24%, 100%
XYZ	68.8740, 75.8412, 105.6165
YIQ	222.6730, -29.7560, -0.3800

# Conversions

## Conversions Part 2

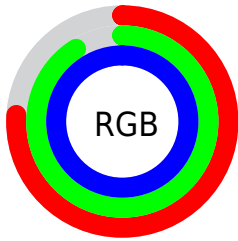
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 217, 255
Decimal	12773375
CIELab	89.79, -6.87, -15.59
CIELCh	90, 17.038, 246.210
Yxy	75.8412, 0.2751, 0.3030
Android (android.graphics.Color)	4290963455 (0xFFC2E7FF)
YUV	222.6730, 15.9372, -25.1462
Hunter-Lab	87.0869, -11.2325, -10.9445

# Details

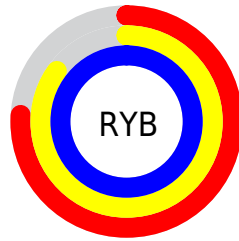
The XYZ color **68.8740, 75.8412, 105.6165** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.0488, 75.2969, 61.5661**, and the grayscale version is **69.8147, 73.4505, 79.9876**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **36.1705, 40.2261, 59.2841** is the 20% darker color. If you saturate the color by 10%, you get **60.1551, 67.2990, 104.4272**, and if you desaturate by 10%, it is **78.8808, 85.2901, 106.9129**.

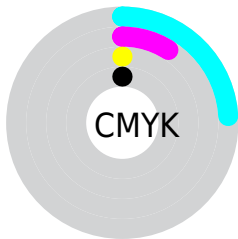
# Distribution



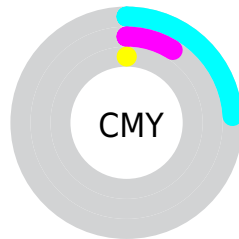
- Red (76%)
- Green (91%)
- Blue (100%)



- Red (76%)
- Yellow (85%)
- Blue (100%)



- Cyan (24%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8740, 75.8412, 105.6165 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 68.8740, 75.8412, 105.6165 by changing the saturation by 10% instead.



68.8740, 75.8412,  
105.6165

68.8740, 75.8412,  
105.6165

445.9148,  
480.8039, 599.4533

50.8854, 56.3023,  
80.3564

116.6366,  
127.5024, 170.9733

36.3381, 40.4454,  
59.4838

147.1414,  
160.3935, 211.9071

24.8667, 27.8859,  
42.5801

182.5488,  
198.5041, 258.9025

16.1060, 18.2397,  
29.2268

223.2244,  
242.2187, 312.3782

9.6905, 11.1222,  
19.0054

269.5334,  
291.9215, 372.7525

5.2549, 6.1491,  
11.4974

321.8413,

2.4339, 2.9360,

347.9971, 440.4441

6.2841

380.5133,  
410.8298, 515.8715

■ 0.8620, 1.0984,  
2.9470

■ 0.0000, 0.0000,  
1.0676

■ 68.8740, 75.8412,  
105.6165

■ 68.8740, 75.8412,  
105.6165

■ 60.1551, 67.2990,  
104.4272

■ 78.8808, 85.2901,  
106.9129

■ 52.6581, 59.6197,  
103.3401

■ 90.2253, 95.6693,  
108.3184

■ 46.3198, 52.7686,  
102.3518

95.0500, 100.0000,  
108.9000

■ 41.0685, 46.7046,  
101.4581

■ 36.8239, 41.3820,  
100.6544

■ 33.4930, 36.7483,  
99.9356

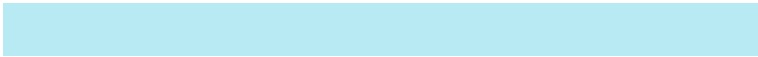
■ 30.9628, 32.7409,  
99.2954

■ 29.7194, 30.5588,  
98.9398

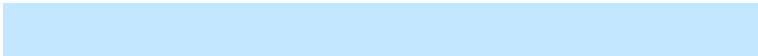
# Harmonies

## Analogous

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



65.7593, 75.8412, 97.0183



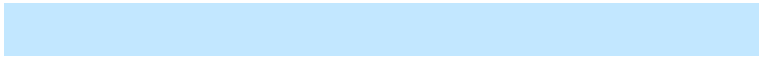
68.8740, 75.8412, 105.6165



72.9625, 75.8412, 107.7882

# Triad

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



68.8740, 75.8412, 105.6165



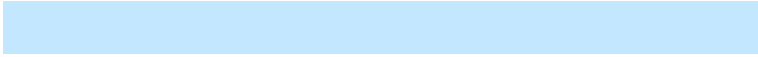
80.4203, 75.8412, 80.0999



67.4156, 75.8412, 65.2773

# Complementary

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



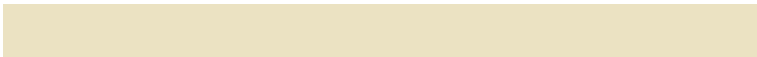
68.8740, 75.8412, 105.6165



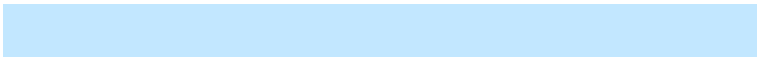
76.0488, 75.2969, 61.5661

# Split Complementary

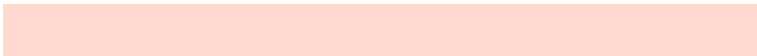
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.2142, 75.8412, 61.6415



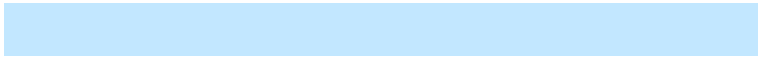
68.8740, 75.8412, 105.6165



78.8034, 75.8412, 69.6471

# Square

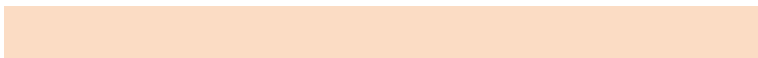
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8740, 75.8412, 105.6165



79.7347, 75.8412, 92.2698



75.3938, 75.8412, 63.1602

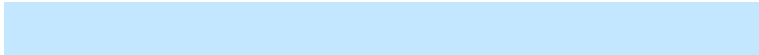


64.9405, 75.8412, 73.5901



# Rectangle

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



68.8740, 75.8412, 105.6165



75.7131, 75.8412, 105.1304



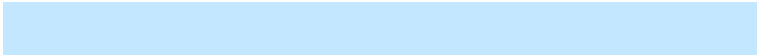
75.3938, 75.8412, 63.1602



68.5743, 75.8412, 63.5064

# Sweetspot

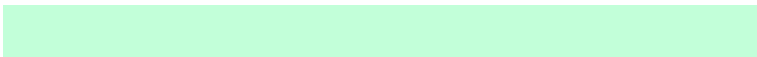
The Sweet Spot groups the original color and five complimentary colors.



68.8761, 75.8442, 105.6170



86.5858, 92.3717, 107.8737



70.5833, 88.0195, 79.1778



18.3835, 19.6353, 23.0710



0.0000, 0.0000, 0.0000

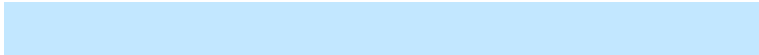


20.3446, 21.4041, 23.3091

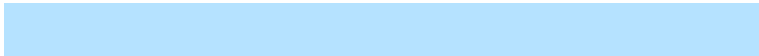


# Same Dimension

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



68.8761, 75.8442, 105.6170



64.2895, 71.3933, 104.9996



61.2132, 60.5185, 103.0627



17.9200, 19.2116, 23.0137



15.6787, 16.2670, 51.7481



1.6331, 1.7969, 5.0740



# Inverse Universe

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



74.9569, 65.6145, 84.3190



71.4891, 59.8141, 79.6637



84.5095, 92.2184, 64.3863



18.4723, 18.1722, 21.1041



24.7021, 12.3701, 17.6135

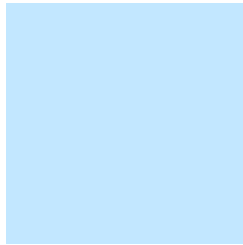


2.4589, 1.2259, 1.9981



# Previews

## White Background



This preview shows how the XYZ color 68.8740, 75.8412, 105.6165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

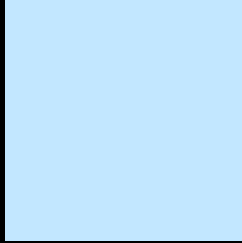
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8740, 75.8412, 105.6165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

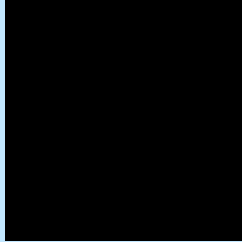
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

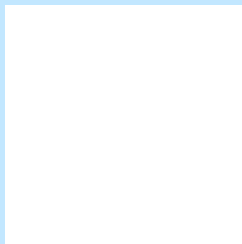
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.8740, 75.8412, 105.6165

## Background



This preview shows how black text looks on a background with the XYZ color 68.8740, 75.8412, 105.6165.



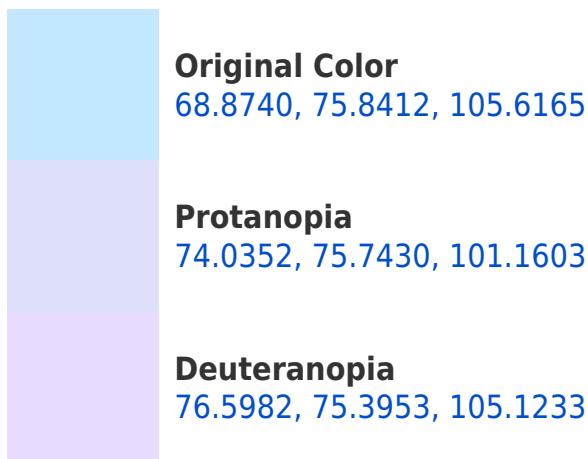
This preview shows how white text looks on a background with the XYZ color 68.8740, 75.8412,



# 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

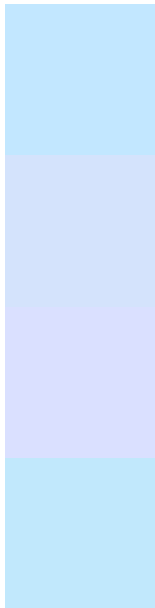




## Tritanopia

68.1043, 75.9528, 101.5134

# Trichromacy



**Original Color**

68.8740, 75.8412, 105.6165

**Protanomaly**

72.1911, 75.9635, 102.9530

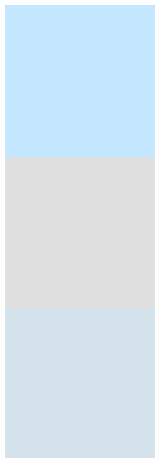
**Deuteranomaly**

73.6191, 75.4367, 105.2883

**Tritanomaly**

68.4196, 76.0790, 103.1741

# Monochromacy



**Original Color**

68.8740, 75.8412, 105.6165

**Achromatopsia**

70.1384, 73.7910, 80.3584

**Achromatomaly**

69.3431, 74.3879, 89.3008

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8740, 75.8412, 105.6165 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(194, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 231, 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(194, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8740, 75.8412, 105.6165 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(194, 231, 255) }
```



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

```
.border{ border-color:rgb(194, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8740, 75.8412, 105.6165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 231, 255) }
```

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

```
.background{ background-color: rgb(194,  
231, 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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