

# Converting Colors

XYZ(64.9726, 72.8244, 96.3744)

Have a look what the booklet for  
XYZ(64.9726, 72.8244, 96.3744)  
contains.

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# Color

**XYZ(64.8116, 72.7098,  
96.2064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCE4F4
RGB	188, 228, 244
RGB Percent	74%, 89%, 96%
CMY	0.2627, 0.1059, 0.0431
CMYK	0.23, 0.07, 0.00, 0.04
HSL	197°, 72%, 85%
HSV	197°, 23%, 96%
XYZ	64.8116, 72.7098, 96.2064
YIQ	217.8640, -28.9760, -3.5040

# Conversions

## Conversions Part 2

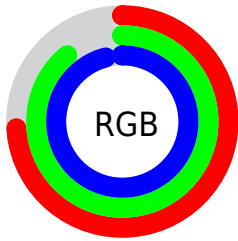
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	188, 211, 244
Decimal	12379380
CIE Lab	88.31, -9.52, -12.07
CIE LCh	88, 15.374, 231.747
Yxy	72.7098, 0.2773, 0.3111
Android (android.graphics.Color)	4290569460 (0xFFBCE4F4)
YUV	217.8640, 12.8850, -26.1907
Hunter-Lab	85.2700, -13.5492, -7.2052

# Details

The XYZ color **64.8116, 72.7098, 96.2064** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9791, 66.0501, 56.7447**, and the grayscale version is **66.4770, 69.9389, 76.1635**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **33.8522, 38.5863, 53.2407** is the 20% darker color. If you saturate the color by 10%, you get **57.4228, 66.1130, 95.3237**, and if you desaturate by 10%, it is **73.2982, 79.9910, 97.1657**.

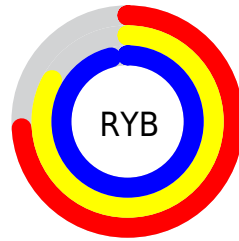
# Distribution



Red (74%)

Green (89%)

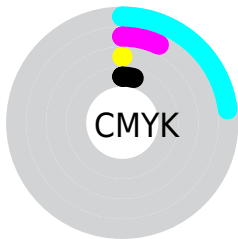
Blue (96%)



Red (74%)

Yellow (83%)

Blue (96%)

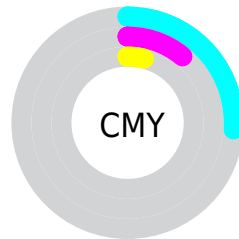


Cyan (23%)

Magenta (7%)

Yellow (0%)

Black (4%)



Cyan (26%)

Magenta (11%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8116, 72.7098, 96.2064 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 64.8116, 72.7098, 96.2064 by changing the saturation by 10% instead.



■ 64.8116, 72.7098,  
96.2064

■ 64.8116, 72.7098,  
96.2064

431.6706,  
470.0084, 569.1027

■ 47.5725, 53.7387,  
72.5370

■ 110.8462,  
123.0651, 157.9401

■ 33.6983, 38.3928,  
53.1080

140.3723,  
155.2182, 196.8416

■ 22.8237, 26.2877,  
37.5007

174.7248,  
192.5340, 241.6575

■ 14.5834, 17.0390,  
25.2966

214.2691,  
235.3970, 292.8064

■ 8.6119, 10.2623,  
16.0771

259.3704,  
284.1915, 350.7068

■ 4.5440, 5.5732,  
9.4238

310.3942,

■ 2.0143, 2.5873,

339.3020, 415.7773

4.9180

367.7058,  
401.1128, 488.4364

■ 0.6420, 0.9203,  
2.1414

■ 0.0000, 0.0000,  
0.6402

■ 64.8116, 72.7098,  
96.2064

■ 64.8116, 72.7098,  
96.2064

■ 57.4228, 66.1130,  
95.3237

■ 73.2982, 79.9910,  
97.1657

■ 51.0734, 60.1636,  
94.5100

■ 82.9246, 87.9741,  
98.1992

■ 45.7091, 54.8341,  
93.7641

■ 91.4190, 95.4909,  
99.2024

■ 41.2678, 50.0912,  
93.0827

■ 93.3294, 99.3117,  
99.8392

■ 37.6800, 45.8975,  
92.4623

■ 34.8653, 42.2103,  
91.8989

■ 32.7268, 38.9780,  
91.3878

■ 31.5230, 36.9190,  
91.0538

# Harmonies

## Analogous

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



62.7308, 72.7098, 86.9318



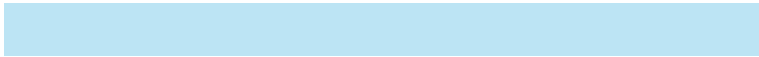
64.8116, 72.7098, 96.2064



68.0959, 72.7098, 101.0090

# Triad

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



64.8116, 72.7098, 96.2064



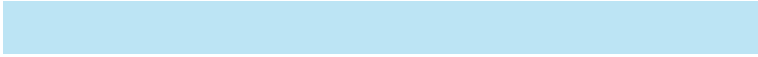
76.3643, 72.7098, 82.1188



66.5150, 72.7098, 61.7684

# Complementary

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



64.8116, 72.7098, 96.2064



67.9791, 66.0501, 56.7447

# 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.



70.1311, 72.7098, 60.7279



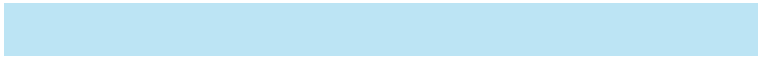
64.8116, 72.7098, 96.2064



75.9045, 72.7098, 71.8819

# Square

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



64.8116, 72.7098, 96.2064



74.8263, 72.7098, 92.4158



73.5912, 72.7098, 64.2714



63.6896, 72.7098, 67.2520



# Rectangle

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



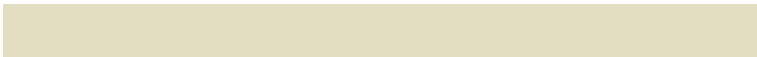
64.8116, 72.7098, 96.2064



70.5619, 72.7098, 100.7563



73.5912, 72.7098, 64.2714



67.6752, 72.7098, 60.9082

# Sweetspot

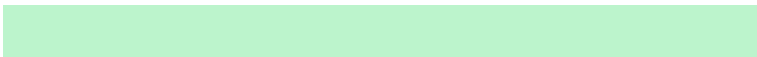
The Sweet Spot groups the original color and five complimentary colors.



64.8138, 72.7128, 96.2081



87.1800, 93.5599, 108.0717



63.9743, 79.7474, 69.0655



18.5213, 19.9108, 23.1169



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

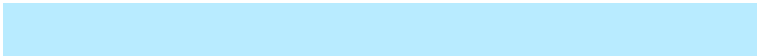


# Same Dimension

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



64.8138, 72.7128, 96.2081



67.3163, 76.5507, 105.8356



57.7549, 58.5951, 93.8551



16.5734, 17.9110, 21.1262



17.2627, 20.3191, 49.5502



1.6046, 1.9607, 4.3841



# Inverse Universe

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



69.2968, 60.8028, 81.4858



73.2356, 61.3503, 86.2789



75.2058, 80.5035, 59.1536



17.0000, 16.6828, 19.7465



24.5179, 12.1506, 23.2335

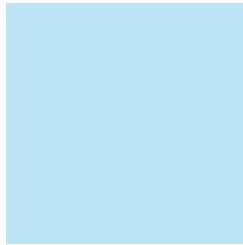


2.1990, 1.0856, 2.2743



# Previews

## White Background



This preview shows how the XYZ color 64.8116, 72.7098, 96.2064 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

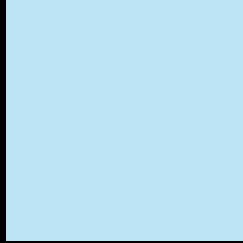
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8116, 72.7098, 96.2064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

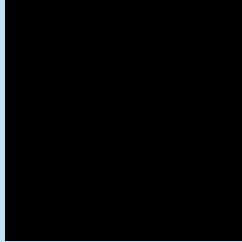
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

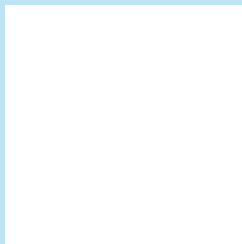
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.8116, 72.7098, 96.2064

## Background



This preview shows how black text looks on a background with the XYZ color 64.8116, 72.7098, 96.2064.



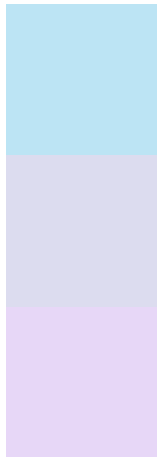
This preview shows how white text looks on a background with the XYZ color 64.8116, 72.7098,



# 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

64.8116, 72.7098, 96.2064

### Protanopia

70.6884, 72.6340, 91.9554

### Deuteranopia

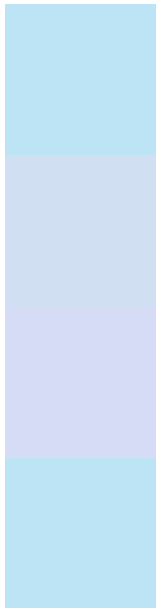
74.0439, 72.3052, 98.0495



## Tritanopia

65.1170, 72.8320, 97.8147

# Trichromacy



## Original Color

64.8116, 72.7098, 96.2064

## Protanomaly

68.2773, 72.5361, 93.6214

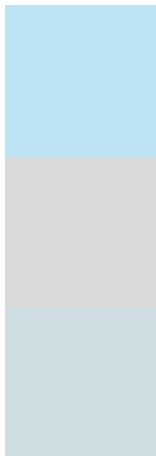
## Deuteranomaly

70.2521, 72.2873, 97.4389

## Tritanomaly

64.9639, 72.7707, 97.0084

# Monochromacy



## Original Color

64.8116, 72.7098, 96.2064

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

65.7185, 71.0540, 82.9241

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8116, 72.7098, 96.2064 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(188, 228, 244)` looks like.

```
.text, #text, p{  
    color:rgb(188, 228, 244)  
}
```

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(188, 228, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 228, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8116, 72.7098, 96.2064 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(188, 228, 244) }
```



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

```
.border{ border-color:rgb(188, 228, 244) }
```

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

Here you see how a box with a 4 pixel rgb(188, 228, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 228, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 228, 244);  
box-shadow:4px 4px 4px 4px rgb(188, 228,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8116, 72.7098, 96.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 228, 244) }
```

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

```
.background{ background-color: rgb(188,  
228, 244) }
```

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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