

# Converting Colors

XYZ(64.9978, 72.7916, 98.2805)

Have a look what the booklet for  
XYZ(64.9978, 72.7916, 98.2805)  
contains.

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# **Color**

**XYZ(65.0254, 72.7670,  
98.6139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE4F7
RGB	187, 228, 247
RGB Percent	73%, 89%, 97%
CMY	0.2667, 0.1059, 0.0314
CMYK	0.24, 0.08, 0.00, 0.03
HSL	199°, 79%, 85%
HSV	199°, 24%, 97%
XYZ	65.0254, 72.7670, 98.6139
YIQ	217.9070, -30.5350, -2.7830

# Conversions

## Conversions Part 2

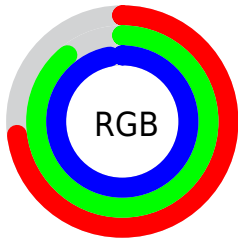
Format	Color
<a href="#">RYB</a>	<a href="#">187, 211, 247</a>
Decimal	<a href="#">12313847</a>
CIELab	<a href="#">88.34, -9.15, -13.61</a>
CIELCh	<a href="#">88, 16.404, 236.085</a>
Yxy	<a href="#">72.7670, 0.2751, 0.3078</a>
Android (android.graphics.Color)	<a href="#">4290503927</a> ( <a href="#">0xFFBBE4F7</a> )
YUV	<a href="#">217.9070, 14.3428, -27.1054</a>
Hunter-Lab	<a href="#">85.3036, -13.2139, -8.8288</a>

# Details

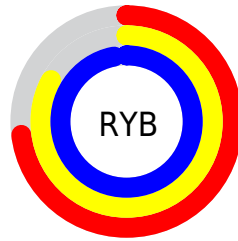
The XYZ color **65.0254, 72.7670, 98.6139** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.3995, 67.5049, 56.3873**, and the grayscale version is **66.4976, 69.9607, 76.1872**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **34.0204, 38.6353, 54.9545** is the 20% darker color. If you saturate the color by 10%, you get **57.3921, 65.7116, 97.6556**, and if you desaturate by 10%, it is **73.7997, 80.5587, 99.6566**.

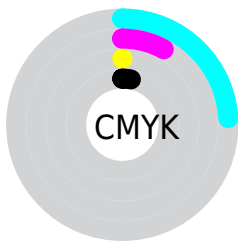
# Distribution



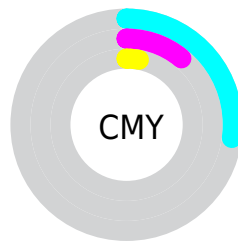
- Red (73%)
- Green (89%)
- Blue (97%)



- Red (73%)
- Yellow (83%)
- Blue (97%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (3%)



- Cyan (27%)
- Magenta (11%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0254, 72.7670, 98.6139 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 65.0254, 72.7670, 98.6139 by changing the saturation by 10% instead.



■ 65.0254, 72.7670,  
98.6139

■ 65.0254, 72.7670,  
98.6139

432.4270,  
470.2069, 576.9482

■ 47.7465, 53.7855,  
74.5330

■ 111.1519,  
123.1464, 161.2863

■ 33.8366, 38.4302,  
54.7310

140.7301,  
155.3130, 200.7149

■ 22.9304, 26.3167,  
38.7892

175.1388,  
192.6435, 246.0965

■ 14.6625, 17.0607,  
26.2892

214.7434,  
235.5221, 297.8496

■ 8.6676, 10.2778,  
16.8124

259.9091,  
284.3334, 356.3928

■ 4.5804, 5.5835,  
9.9403

311.0014,

■ 2.0354, 2.5935,

339.4617, 422.1446

5.2543

368.3856,  
401.2914, 495.5235

■ 0.6538, 0.9234,  
2.3359

■ 0.0000, 0.0000,  
0.7512

■ 65.0254, 72.7670,  
98.6139

■ 65.0254, 72.7670,  
98.6139

■ 57.3921, 65.7116,  
97.6556

■ 73.7997, 80.5587,  
99.6566

■ 50.8387, 59.3537,  
96.7738

■ 83.7590, 89.1058,  
100.7814

■ 45.3083, 53.6639,  
95.9670

■ 92.6718, 97.2616,  
101.8859

■ 40.7356, 48.6064,  
95.2319

■ 93.7887, 99.4955,  
102.2582

■ 37.0472, 44.1416,  
94.5645

■ 34.1582, 40.2236,  
93.9605

■ 31.9649, 36.7967,  
93.4146

■ 30.9386, 35.0153,  
93.1249

# Harmonies

## Analogous

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



62.5857, 72.7670, 89.1488



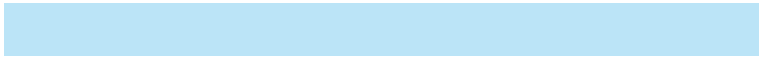
65.0254, 72.7670, 98.6139



68.6474, 72.7670, 102.8824

# Triad

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



65.0254, 72.7670, 98.6139



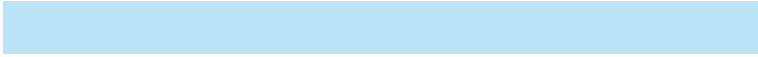
76.9916, 72.7670, 80.7199



65.8881, 72.7670, 61.3145

# Complementary

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



65.0254, 72.7670, 98.6139



69.3995, 67.5049, 56.3873

# 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.



69.6808, 72.7670, 59.5141



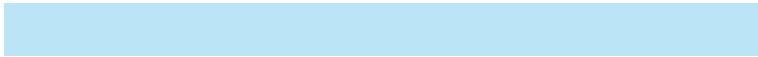
65.0254, 72.7670, 98.6139



76.1854, 72.7670, 70.0772

# Square

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



65.0254, 72.7670, 98.6139



75.6356, 72.7670, 91.9505



73.4722, 72.7670, 62.5703

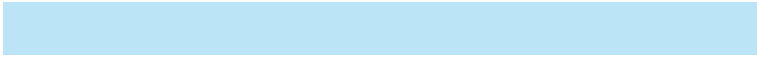


63.0703, 72.7670, 67.7420



# Rectangle

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



65.0254, 72.7670, 98.6139



71.2810, 72.7670, 101.9355



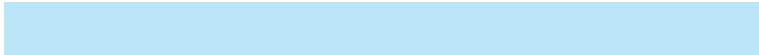
73.4722, 72.7670, 62.5703



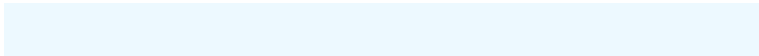
67.0870, 72.7670, 60.1759

# Sweetspot

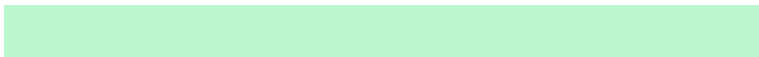
The Sweet Spot groups the original color and five complimentary colors.



65.0276, 72.7699, 98.6156



87.0086, 93.2172, 108.0146



64.7752, 81.4955, 70.0753



18.4815, 19.8313, 23.1037



0.0000, 0.0000, 0.0000

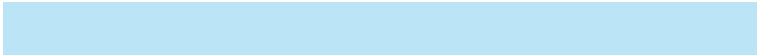


20.3446, 21.4041, 23.3091

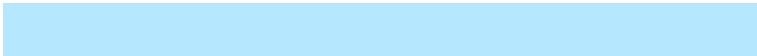


# Same Dimension

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



65.0276, 72.7699, 98.6156



65.8579, 74.5301, 105.5224



57.7070, 58.1287, 96.1753



16.5284, 17.8211, 21.1112



16.4955, 18.7848, 49.2944



1.5419, 1.8351, 4.3632



# Inverse Universe

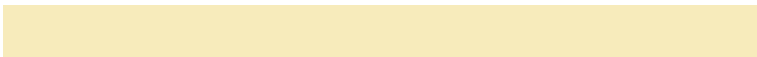
The Inverse Universe completely reimagines the original color for something new.



70.1334, 60.9180, 81.4640



72.2807, 60.1308, 83.8326



77.0371, 82.7801, 58.9332



16.9773, 16.6738, 19.6270



24.1307, 11.9957, 21.1943

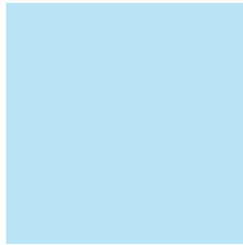


2.1673, 1.0729, 2.1075



# Previews

## White Background



This preview shows how the XYZ color 65.0254, 72.7670, 98.6139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

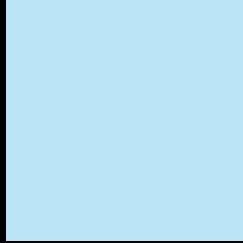
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0254, 72.7670, 98.6139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

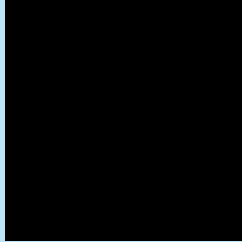
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.0254, 72.7670, 98.6139**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.0254, 72.7670, 98.6139.



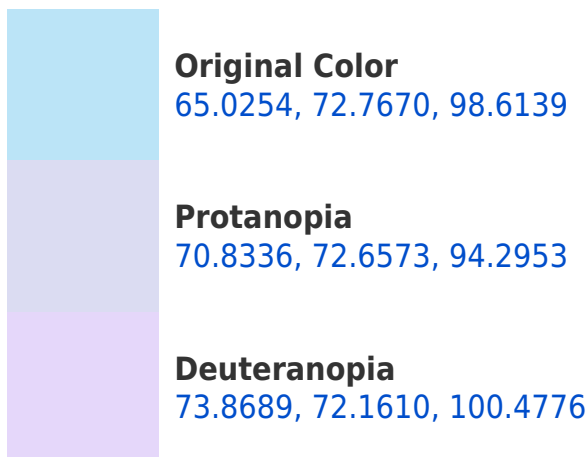
This preview shows how white text looks on a background with the XYZ color 65.0254, 72.7670,



# 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

64.8715, 72.7054, 97.8032

# Trichromacy



**Original Color**

65.0254, 72.7670, 98.6139

**Protanomaly**

68.4489, 72.5724, 95.9882

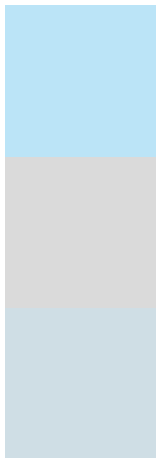
**Deuteranomaly**

70.4236, 72.3221, 99.8704

**Tritanomaly**

64.8715, 72.7054, 97.8032

# Monochromacy



**Original Color**

65.0254, 72.7670, 98.6139

**Achromatopsia**

66.6397, 70.1102, 76.3500

**Achromatomaly**

65.9963, 71.1651, 84.3866

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0254, 72.7670, 98.6139 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(187, 228, 247)` looks like.

```
.text, #text, p{  
    color:rgb(187, 228, 247)  
}
```

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(187, 228, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 228, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0254, 72.7670, 98.6139 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(187, 228, 247) }
```



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

```
.border{ border-color:rgb(187, 228, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 228, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 228, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 228, 247); box-shadow:4px 4px 4px 4px rgb(187, 228, 247) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0254, 72.7670, 98.6139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 228, 247) }
```

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

```
.background{ background-color: rgb(187,  
228, 247) }
```

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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