

Converting Colors

XYZ(65.6223, 64.6918,
103.6358)

Have a look what the booklet for
XYZ(65.6223, 64.6918, 103.6358)
contains.

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Color

**XYZ(65.8164, 64.9675,
103.6788)**

Conversions

Conversions Part 1

Format	Color
Hex	CECFFF
RGB	206, 207, 255
RGB Percent	81%, 81%, 100%
CMY	0.1921, 0.1882, 0.0000
CMYK	0.19, 0.19, 0.00, 0.00
HSL	239°, 100%, 90%
HSV	239°, 19%, 100%
XYZ	65.8164, 64.9675, 103.6788
YIQ	212.1730, -16.0040, 14.7160

Conversions

Conversions Part 2

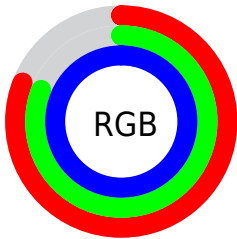
Format	Color
R _Y B	206, 207, 255
Decimal	13553663
CIE Lab	84.47, 9.31, -23.54
CIE LCh	84, 25.315, 291.567
Yxy	64.9675, 0.2807, 0.2771
Android (android.graphics.Color)	4291743743 (0xFFCECFFF)
YUV	212.1730, 21.1137, -5.4137
Hunter-Lab	80.6024, 4.7010, -19.8430

Details

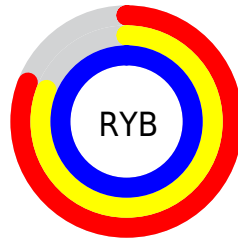
The XYZ color **65.8164, 64.9675, 103.6788** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.8220, 96.5986, 72.4108**, and the grayscale version is **62.5676, 65.8259, 71.6845**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3468, 33.4390, 58.0702** is the 20% darker color. If you saturate the color by 10%, you get **53.7229, 50.4504, 101.5141**, and if you desaturate by 10%, it is **80.0193, 81.9964, 106.2172**.

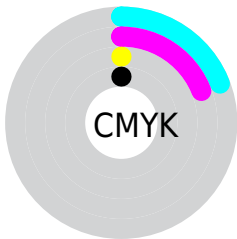
Distribution



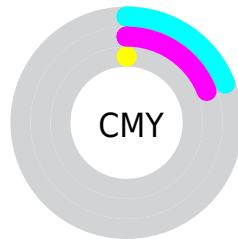
- Red (81%)
- Green (81%)
- Blue (100%)



- Red (81%)
- Yellow (81%)
- Blue (100%)



- Cyan (19%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8164, 64.9675, 103.6788 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 65.8164, 64.9675, 103.6788 by changing the saturation by 10% instead.

■ 65.8164, 64.9675,
103.6788

■ 65.8164, 64.9675,
103.6788

435.2190,
442.6752, 593.2711

■ 48.3905, 47.4347,
78.7425

112.2820,
112.0031, 168.2994

■ 34.3488, 33.3795,
58.1640

142.0524,
142.2748, 208.8207

■ 23.3258, 22.4173,
41.5249

176.6683,
177.5615, 255.3741

■ 14.9563, 14.1638,
28.4067

216.4952,
218.2477, 308.3781

■ 8.8748, 8.2347,
18.3908

261.8984,
264.7178, 368.2513

■ 4.7161, 4.2455,
11.0586

313.2431,

■ 2.1147, 1.8118,

317.3561, 435.4121

5.9916

370.8949,
376.5471, 510.2792

■ 0.6972, 0.4945,
2.7712

■ 0.0000, 0.0000,
0.9791

■ 65.8164, 64.9675,
103.6788

■ 65.8164, 64.9675,
103.6788

■ 53.7229, 50.4504,
101.5141

■ 80.0193, 81.9964,
106.2172

■ 43.6331, 38.3189,
99.7043

95.0500, 100.0000,
108.9000

■ 35.4405, 28.4479,
98.2308

■ 29.0264, 20.6976,
97.0729

■ 24.2590, 14.9126,
96.2076

■ 20.9881, 10.9165,
95.6086

■ 19.0361, 8.5013,
95.2454

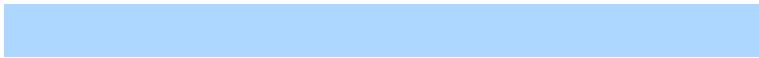
■ 18.1530, 7.3887,
95.0771

■ 18.1066, 7.3332,
95.0689

Harmonies

Analogous

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



60.1750, 64.9675, 106.0657



65.8164, 64.9675, 103.6788



70.6268, 64.9675, 91.8213

Triad

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



65.8164, 64.9675, 103.6788



68.7287, 64.9675, 49.1195



51.6451, 64.9675, 66.2869

Complementary

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



65.8164, 64.9675, 103.6788



87.8220, 96.5986, 72.4108

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.



53.6494, 64.9675, 53.1585



65.8164, 64.9675, 103.6788



63.3515, 64.9675, 44.2813

Square

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



65.8164, 64.9675, 103.6788



72.3781, 64.9675, 59.9399



57.8540, 64.9675, 45.6384



52.2162, 64.9675, 82.7621

Rectangle

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



65.8164, 64.9675, 103.6788



72.6035, 64.9675, 81.0054



57.8540, 64.9675, 45.6384



52.0354, 64.9675, 61.3781

Sweetspot

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



65.8182, 64.9701, 103.6792



85.0473, 88.0206, 107.1149



79.0024, 91.7574, 106.7822



17.9810, 18.5733, 22.8873



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.



65.8182, 64.9701, 103.6792



60.9974, 59.1853, 102.8167



72.3929, 68.0001, 103.9176



17.0328, 17.4372, 22.7179



9.4740, 3.8575, 49.6798



0.9325, 0.3956, 4.8405

Inverse Universe

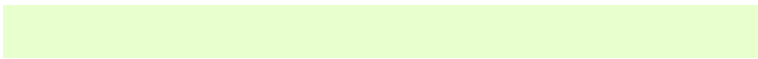
The Inverse Universe completely reimagines the original color for something new.



74.5750, 69.9090, 68.5977



71.2001, 64.9544, 61.9389



80.2233, 93.1547, 72.1465



18.0245, 17.9931, 18.7459



21.5702, 11.1174, 1.1213



2.1053, 1.0845, 0.1358

Previews

White Background



This preview shows how the XYZ color 65.8164, 64.9675, 103.6788 looks on a white background.

Color Contrast Check

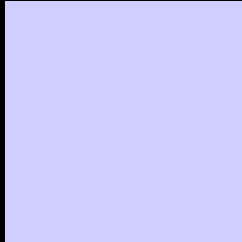
Large Text (above 18pt) WCAG AA × Fail

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 65.8164, 64.9675, 103.6788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

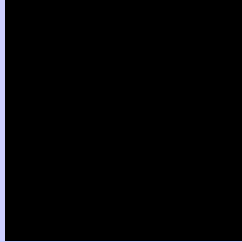
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.8164, 64.9675, 103.6788

Background



This preview shows how black text looks on a background with the XYZ color 65.8164, 64.9675, 103.6788.

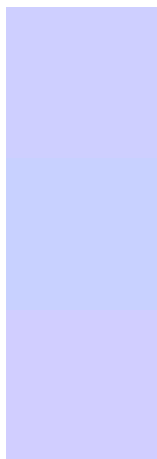


This preview shows how white text looks on a background with the XYZ color 65.8164, 64.9675,

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

65.8164, 64.9675, 103.6788

Protanopia

64.6699, 65.1003, 103.7649

Deuteranopia

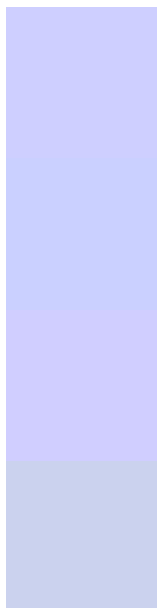
66.4158, 64.9179, 103.6377



Tritanopia

61.6345, 65.1059, 82.7170

Trichromacy



Original Color

65.8164, 64.9675, 103.6788

Protanomaly

64.9630, 64.8883, 103.7085

Deuteranomaly

66.1337, 64.7725, 103.6245

Tritanomaly

63.1078, 64.9627, 90.1018

Monochromacy



Original Color

65.8164, 64.9675, 103.6788

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.6285, 65.3963, 82.6679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8164, 64.9675, 103.6788 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(206, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 207, 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(206, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.8164, 64.9675, 103.6788 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(206, 207, 255) }
```


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

```
.border{ border-color:rgb(206, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8164, 64.9675, 103.6788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 207, 255) }
```

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

```
.background{ background-color: rgb(206,  
207, 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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