

Converting Colors

XYZ(64.4527, 63.5980,
103.4864)

Have a look what the booklet for
XYZ(64.4527, 63.5980, 103.4864)
contains.

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Color

**XYZ(64.5099, 63.5792,
103.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	CBCDFF
RGB	203, 205, 255
RGB Percent	80%, 80%, 100%
CMY	0.2039, 0.1961, 0.0000
CMYK	0.20, 0.20, 0.00, 0.00
HSL	238°, 100%, 90%
HSV	238°, 20%, 100%
XYZ	64.5099, 63.5792, 103.4797
YIQ	210.1020, -17.2420, 15.1260

Conversions

Conversions Part 2

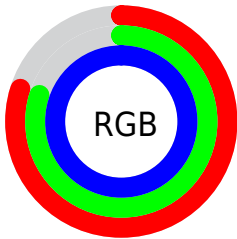
Format	Color
R _Y B	203, 205, 255
Decimal	13356543
CIE Lab	83.75, 9.47, -24.66
CIE LCh	84, 26.413, 290.999
Yxy	63.5792, 0.2786, 0.2746
Android (android.graphics.Color)	4291546623 (0xFFCBCDFF)
YUV	210.1020, 22.1347, -6.2285
Hunter-Lab	79.7366, 4.8743, -21.1292

Details

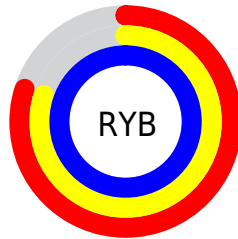
The XYZ color **64.5099, 63.5792, 103.4797** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.1444, 95.8212, 70.4038**, and the grayscale version is **61.1945, 64.3813, 70.1113**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4724, 32.5063, 57.9362** is the 20% darker color. If you saturate the color by 10%, you get **52.7158, 49.4655, 101.3771**, and if you desaturate by 10%, it is **78.3688, 80.1247, 105.9429**.

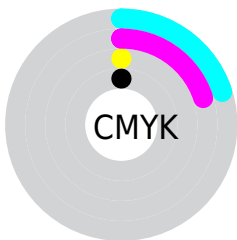
Distribution



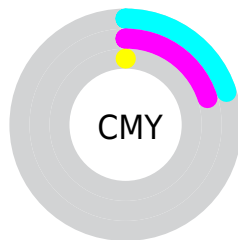
- Red (80%)
- Green (80%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5099, 63.5792, 103.4797 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 64.5099, 63.5792, 103.4797 by changing the saturation by 10% instead.

■ 64.5099, 63.5792,
103.4797

■ 64.5099, 63.5792,
103.4797

430.6018,
437.6685, 592.6339

■ 47.3270, 46.3099,
78.5767

110.4146,
110.0047, 168.0244

■ 33.5033, 32.4905,
58.0286

139.8671,
139.9297, 208.5031

■ 22.6733, 21.7364,
41.4168

174.1402,
174.8421, 255.0109

■ 14.4719, 13.6633,
28.3227

213.5992,
215.1263, 307.9662

■ 8.5335, 7.8869,
18.3279

258.6095,
261.1666, 367.7877

■ 4.4928, 4.0227,
11.0138

309.5365,

■ 1.9845, 1.6862,

313.3475, 434.8937

5.9618

366.7454,
372.0533, 509.7030

■ 0.6253, 0.4147,
2.7535

■ 0.0000, 0.0000,
0.9702

■ 64.5099, 63.5792,
103.4797

■ 64.5099, 63.5792,
103.4797

■ 52.7158, 49.4655,
101.3771

■ 78.3688, 80.1247,
105.9429

■ 42.8825, 37.6619,
99.6171

94.3788, 99.2009,
108.7811

■ 34.9054, 28.0477,
98.1818

95.0500, 100.0000,
108.9000

■ 28.6677, 20.4880,
97.0514

■ 24.0397, 14.8334,
96.2038

■ 20.8733, 10.9138,
95.6142

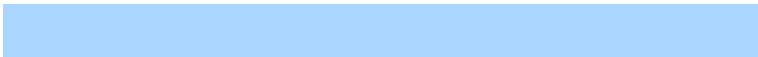
■ 18.9931, 8.5292,
95.2530

■ 18.1566, 7.4331,
95.0855

Harmonies

Analogous

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



58.7044, 63.5792, 105.7523



64.5099, 63.5792, 103.4797



69.5054, 63.5792, 91.3036

Triad

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



64.5099, 63.5792, 103.4797



67.7138, 63.5792, 47.2793



50.0836, 63.5792, 64.3557

Complementary

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



64.5099, 63.5792, 103.4797



87.1444, 95.8212, 70.4038

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.



52.1813, 63.5792, 51.0309



64.5099, 63.5792, 103.4797



62.1893, 63.5792, 42.2599

Square

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



64.5099, 63.5792, 103.4797



71.4358, 63.5792, 58.4139



56.5261, 63.5792, 43.5140



50.6172, 63.5792, 81.2983

Rectangle

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



64.5099, 63.5792, 103.4797



71.5845, 63.5792, 80.1399



56.5261, 63.5792, 43.5140



50.4992, 63.5792, 59.3526

Sweetspot

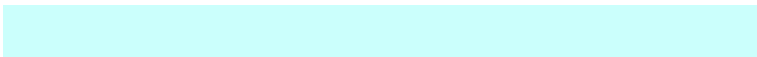
The Sweet Spot groups the original color and five complimentary colors.



64.5117, 63.5817, 103.4801



85.1287, 88.1833, 107.1421



78.0235, 91.2705, 105.9330



18.0001, 18.6116, 22.8936



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.



64.5117, 63.5817, 103.4801



60.0221, 58.2133, 102.6805



70.8966, 66.1668, 103.6426



17.0591, 17.4898, 22.7267



9.5114, 3.9325, 49.6923



0.9450, 0.4206, 4.8447

Inverse Universe

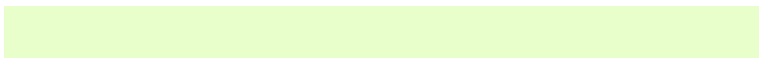
The Inverse Universe completely reimagines the original color for something new.



73.6165, 68.3811, 67.0794



70.4689, 63.7473, 60.9083



79.6892, 92.9210, 70.2370



18.0377, 17.9984, 18.8158



21.5891, 11.1249, 1.2209



2.1116, 1.0870, 0.1690

Previews

White Background



This preview shows how the XYZ color 64.5099, 63.5792, 103.4797 looks on a white background.

Color Contrast Check

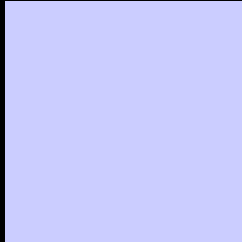
Large Text (above 18pt) WCAG AA × Fail

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 64.5099, 63.5792, 103.4797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

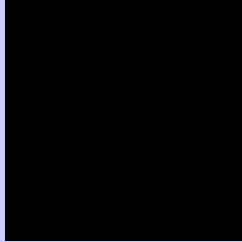
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5099, 63.5792, 103.4797

Background



This preview shows how black text looks on a background with the XYZ color 64.5099, 63.5792, 103.4797.



This preview shows how white text looks on a background with the XYZ color 64.5099, 63.5792,

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

64.5099, 63.5792, 103.4797

Protanopia

63.6515, 63.8514, 103.5775

Deuteranopia

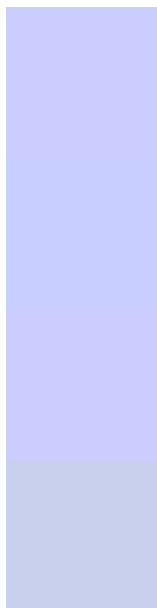
65.0965, 63.5275, 103.4388



Tritanopia

60.2004, 63.6450, 81.7849

Trichromacy



Original Color

64.5099, 63.5792, 103.4797

Protanomaly

63.9407, 63.6420, 103.5218

Deuteranomaly

64.8197, 63.3849, 103.4259

Tritanomaly

61.6614, 63.5055, 89.1287

Monochromacy



Original Color

64.5099, 63.5792, 103.4797

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.0155, 63.8681, 81.0107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5099, 63.5792, 103.4797 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(203, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 205, 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(203, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.5099, 63.5792, 103.4797 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(203, 205, 255) }
```


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

```
.border{ border-color:rgb(203, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5099, 63.5792, 103.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 205, 255) }
```

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

```
.background{ background-color: rgb(203,  
205, 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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