

Converting Colors

XYZ(64.8870, 63.4196,
103.4290)

Have a look what the booklet for
XYZ(64.8870, 63.4196, 103.4290)
contains.

XYZ(64.8197, 63.3849, 103.4259)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.8197, 63.3849,
103.4259)**

Conversions

Conversions Part 1

Format	Color
Hex	CDCCFF
RGB	205, 204, 255
RGB Percent	80%, 80%, 100%
CMY	0.1961, 0.2000, 0.0000
CMYK	0.20, 0.20, 0.00, 0.00
HSL	241°, 100%, 90%
HSV	241°, 20%, 100%
XYZ	64.8197, 63.3849, 103.4259
YIQ	210.1130, -15.7750, 16.0730

Conversions

Conversions Part 2

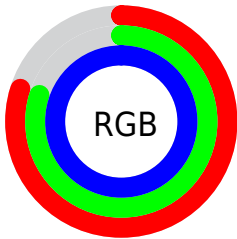
Format	Color
R _Y B	205, 204, 255
Decimal	13487359
CIE Lab	83.64, 10.61, -24.80
CIE LCh	84, 26.973, 293.155
Yxy	63.3849, 0.2798, 0.2736
Android (android.graphics.Color)	4291677439 (0xFFCDCCFF)
YUV	210.1130, 22.1293, -4.4841
Hunter-Lab	79.6146, 6.0034, -21.2923

Details

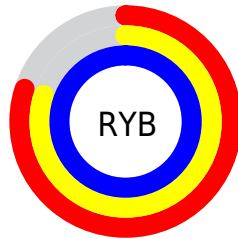
The XYZ color **64.8197, 63.3849, 103.4259** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.5334, 96.9511, 71.2295**, and the grayscale version is **61.2010, 64.3882, 70.1188**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6771, 32.3739, 57.8999** is the 20% darker color. If you saturate the color by 10%, you get **52.8938, 48.9655, 101.2712**, and if you desaturate by 10%, it is **78.8434, 80.3618, 105.9636**.

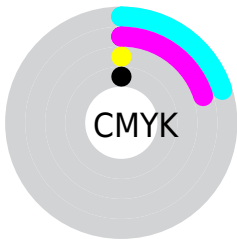
Distribution



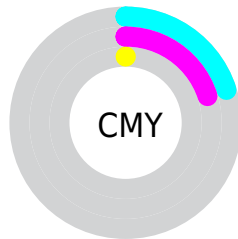
- Red (80%)
- Green (80%)
- Blue (100%)



- 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 64.8197, 63.3849, 103.4259 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 64.8197, 63.3849, 103.4259 by changing the saturation by 10% instead.

■ 64.8197, 63.3849,
103.4259

■ 64.8197, 63.3849,
103.4259

431.6992,
436.9650, 592.4617

■ 47.5791, 46.1527,
78.5319

110.8578,
109.7246, 167.9500

■ 33.7035, 32.3663,
57.9920

140.3859,
139.6009, 208.4173

■ 22.8277, 21.6414,
41.3876

174.7405,
174.4606, 254.9128

■ 14.5864, 13.5937,
28.3001

214.2871,
214.6882, 307.8549

■ 8.6140, 7.8386,
18.3110

259.3908,
260.6680, 367.6624

■ 4.5454, 3.9919,
11.0017

310.4172,

■ 2.0151, 1.6690,

312.7845, 434.7536

5.9538

367.7316,
371.4221, 509.5472

■ 0.6424, 0.4035,
2.7487

■ 0.0000, 0.0000,
0.9678

■ 64.8197, 63.3849,
103.4259

■ 64.8197, 63.3849,
103.4259

■ 52.8938, 48.9655,
101.2712

■ 78.8434, 80.3618,
105.9636

■ 42.9597, 36.9726,
99.4799

95.0500, 100.0000,
108.9000

■ 34.9106, 27.2752,
98.0324

■ 28.6274, 19.7268,
96.9066

■ 23.9774, 14.1641,
96.0779

■ 20.8094, 10.4002,
95.5184

■ 18.9438, 8.2130,
95.1946

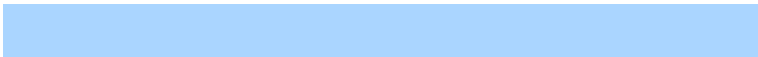
■ 18.1126, 7.2523,
95.0529

■ 18.1125, 7.2522,
95.0529

Harmonies

Analogous

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



58.9027, 63.3849, 106.5831



64.8197, 63.3849, 103.4259



69.7929, 63.3849, 90.4012

Triad

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



64.8197, 63.3849, 103.4259



67.3114, 63.3849, 46.1332



49.6640, 63.3849, 65.2129

Complementary

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



64.8197, 63.3849, 103.4259



87.5334, 96.9511, 71.2295

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.



51.6110, 63.3849, 51.3000



64.8197, 63.3849, 103.4259



61.6085, 63.3849, 41.5100

Square

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



64.8197, 63.3849, 103.4259



71.2958, 63.3849, 57.0062



55.8916, 63.3849, 43.2340



50.4003, 63.3849, 82.6028

Rectangle

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



64.8197, 63.3849, 103.4259



71.7749, 63.3849, 78.8707



55.8916, 63.3849, 43.2340



50.0219, 63.3849, 60.0173

Sweetspot

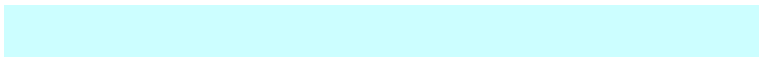
The Sweet Spot groups the original color and five complimentary colors.



64.8215, 63.3874, 103.4263



85.0568, 87.8889, 107.0890



78.4425, 91.0369, 108.0453



17.9832, 18.5423, 22.8812



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.



64.8215, 63.3874, 103.4263



59.8024, 57.3164, 102.5190



72.3902, 67.2892, 103.7805



17.0359, 17.3947, 22.7096



9.4784, 3.7968, 49.6679



0.9339, 0.3754, 4.8365

Inverse Universe

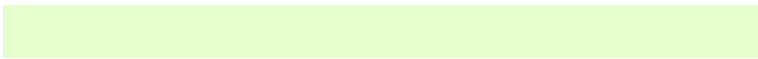
The Inverse Universe completely reimagines the original color for something new.



80.7237, 71.6038, 103.3339



78.3450, 66.8977, 102.3833



78.8619, 92.4807, 70.8237



18.7764, 18.2939, 22.7058



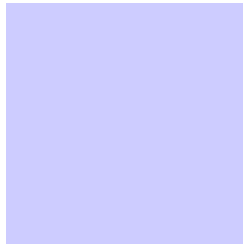
30.5728, 14.7184, 48.5284



2.9815, 1.4350, 4.7499

Previews

White Background



This preview shows how the XYZ color 64.8197, 63.3849, 103.4259 looks on a white background.

Color Contrast Check

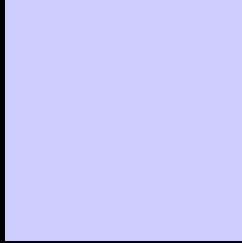
Large Text (above 18pt) WCAG AA × Fail

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 64.8197, 63.3849, 103.4259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

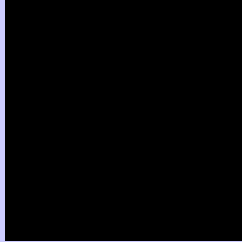
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8197, 63.3849, 103.4259

Background



This preview shows how black text looks on a background with the XYZ color 64.8197, 63.3849, 103.4259.

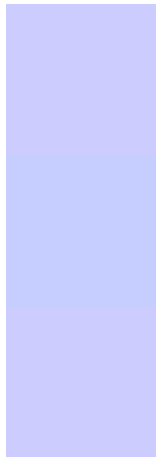


This preview shows how white text looks on a background with the XYZ color 64.8197, 63.3849,

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

64.8197, 63.3849, 103.4259

Protanopia

63.1473, 63.2329, 103.4847

Deuteranopia

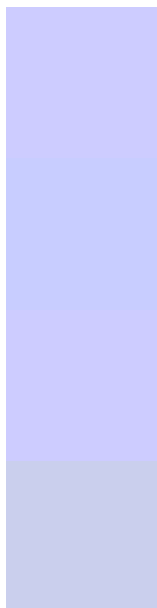
64.8197, 63.3849, 103.4259



Tritanopia

60.3473, 63.3713, 81.0027

Trichromacy



Original Color

64.8197, 63.3849, 103.4259

Protanomaly

63.7007, 63.1620, 103.4418

Deuteranomaly

64.8197, 63.3849, 103.4259

Tritanomaly

61.9560, 63.2966, 89.0728

Monochromacy



Original Color

64.8197, 63.3849, 103.4259

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.2958, 64.0126, 81.0238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8197, 63.3849, 103.4259 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(205, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 204, 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(205, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.8197, 63.3849, 103.4259 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(205, 204, 255) }
```


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

```
.border{ border-color:rgb(205, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8197, 63.3849, 103.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 204, 255) }
```

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

```
.background{ background-color: rgb(205,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor