

Converting Colors

XYZ(68.5160, 64.9399,
103.5312)

Have a look what the booklet for
XYZ(68.5160, 64.9399, 103.5312)
contains.

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Color

**XYZ(68.6194, 64.9919,
103.5358)**

Conversions

Conversions Part 1

Format	Color
Hex	DBCBF5
RGB	219, 203, 255
RGB Percent	86%, 80%, 100%
CMY	0.1412, 0.2039, 0.0000
CMYK	0.14, 0.20, 0.00, 0.00
HSL	258°, 100%, 90%
HSV	258°, 20%, 100%
XYZ	68.6194, 64.9919, 103.5358
YIQ	213.7120, -7.1560, 19.5640

Conversions

Conversions Part 2

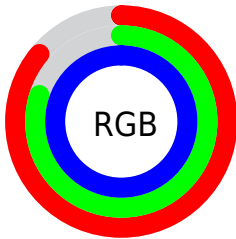
Format	Color
R _Y B	219, 203, 255
Decimal	14404607
CIE Lab	84.48, 15.44, -23.43
CIE LCh	84, 28.062, 303.390
Yxy	64.9919, 0.2894, 0.2741
Android (android.graphics.Color)	4292594687 (0xFFDBC0FF)
YUV	213.7120, 20.3550, 4.6376
Hunter-Lab	80.6176, 10.8535, -19.7129

Details

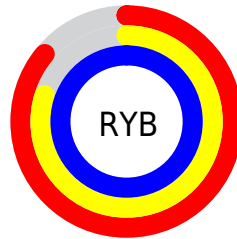
The XYZ color **68.6194, 64.9919, 103.5358** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1373, 94.1831, 70.3528**, and the grayscale version is **63.5956, 66.9076, 72.8623**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2503, 33.4646, 57.9748** is the 20% darker color. If you saturate the color by 10%, you get **58.0532, 51.3299, 101.4557**, and if you desaturate by 10%, it is **80.7430, 80.9303, 105.9732**.

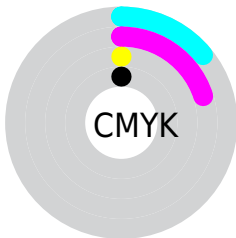
Distribution



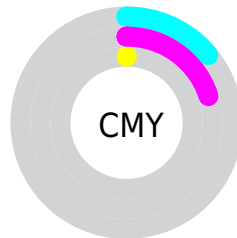
- Red (86%)
- Green (80%)
- Blue (100%)



- Red (86%)
- Yellow (80%)
- Blue (100%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6194, 64.9919, 103.5358 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 68.6194, 64.9919, 103.5358 by changing the saturation by 10% instead.

68.6194, 64.9919,
103.5358

68.6194, 64.9919,
103.5358

445.0299,
442.7629, 592.8135

50.6773, 47.4545,
78.6234

116.2748,
112.0382, 168.1019

36.1719, 33.3951,
58.0668

146.7189,
142.3159, 208.5926

24.7377, 22.4293,
41.4473

182.0611,
177.6092, 255.1133

16.0094, 14.1727,
28.3464

222.6666,
218.3024, 308.0823

9.6217, 8.2409,
18.3456

268.9009,
264.7800, 367.9183

5.2092, 4.2495,
11.0264

321.1293,

2.4065, 1.8141,

317.4264, 435.0398

5.9702

379.7172,
376.6258, 509.8654

■ 0.8484, 0.4959,
2.7585

■ 0.0000, 0.0000,
0.9727

■ 68.6194, 64.9919,
103.5358

■ 68.6194, 64.9919,
103.5358

■ 58.0532, 51.3299,
101.4557

■ 80.7430, 80.9303,
105.9732

■ 48.9730, 39.8306,
99.7147

94.4802, 99.2361,
108.7826

■ 41.3099, 30.3824,
98.2949

95.0500, 100.0000,
108.9000

■ 34.9869, 22.8602,
97.1762

■ 29.9191, 17.1248,
96.3363

■ 26.0109, 13.0175,
95.7494

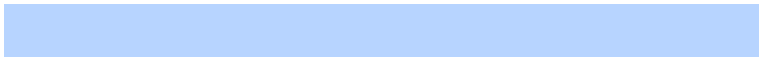
■ 23.1506, 10.3499,
95.3853

■ 21.2296, 8.8592,
95.1988

Harmonies

Analogous

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



62.4856, 64.9919, 110.9434



68.6194, 64.9919, 103.5358



73.1423, 64.9919, 87.3128

Triad

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



68.6194, 64.9919, 103.5358



67.3087, 64.9919, 44.2571



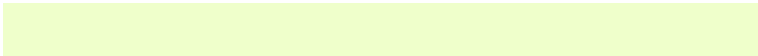
50.5450, 64.9919, 72.8182

Complementary

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



68.6194, 64.9919, 103.5358



82.1373, 94.1831, 70.3528

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.



51.6472, 64.9919, 56.4526



68.6194, 64.9919, 103.5358



61.0655, 64.9919, 41.6886

Square

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



68.6194, 64.9919, 103.5358



72.3505, 64.9919, 53.4769



55.3976, 64.9919, 45.7610



52.2799, 64.9919, 91.4275

Rectangle

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



68.6194, 64.9919, 103.5358



74.4846, 64.9919, 74.7978



55.3976, 64.9919, 45.7610



50.5965, 64.9919, 66.8800

Sweetspot

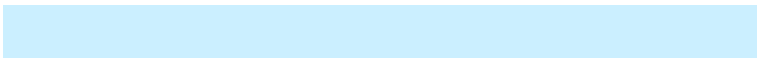
The Sweet Spot groups the original color and five complimentary colors.



68.6212, 64.9945, 103.5362



86.5717, 88.6698, 107.1599



73.6640, 81.8854, 106.5307



18.3400, 18.7263, 22.8979



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.



68.6212, 64.9945, 103.5362



64.6307, 59.8055, 102.7450



76.9241, 69.2748, 103.9248



17.5286, 17.6487, 22.7326



11.2259, 4.6977, 49.7497



1.1990, 0.5120, 4.8489

Inverse Universe

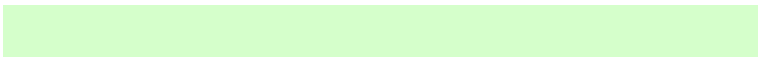
The Inverse Universe completely reimagines the original color for something new.



78.1773, 70.2061, 91.0936



75.6523, 65.8206, 88.2036



74.0979, 90.0386, 69.9766



18.5407, 18.1996, 21.4645



25.7415, 12.7859, 23.0868



2.5553, 1.2645, 2.5056

Previews

White Background



This preview shows how the XYZ color 68.6194, 64.9919, 103.5358 looks on a white background.

Color Contrast Check

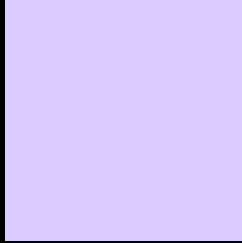
Large Text (above 18pt) WCAG AA × Fail

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 68.6194, 64.9919, 103.5358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

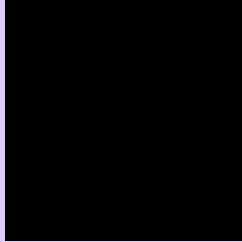
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6194, 64.9919, 103.5358

Background



This preview shows how black text looks on a background with the XYZ color 68.6194, 64.9919, 103.5358.

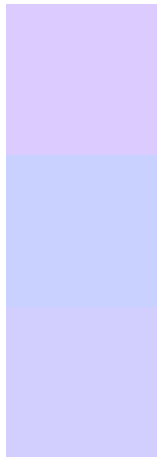


This preview shows how white text looks on a background with the XYZ color 68.6194, 64.9919,

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

68.6194, 64.9919, 103.5358

Protanopia

64.6699, 65.1003, 103.7649

Deuteranopia

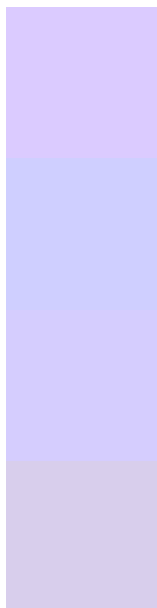
66.5390, 65.0000, 102.8052



Tritanopia

63.8780, 64.8441, 80.3836

Trichromacy



Original Color

68.6194, 64.9919, 103.5358

Protanomaly

66.0950, 65.1110, 103.6919

Deuteranomaly

67.1613, 64.9645, 102.7656

Tritanomaly

65.5305, 64.7977, 88.4103

Monochromacy



Original Color

68.6194, 64.9919, 103.5358

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.5084, 66.3493, 83.4828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6194, 64.9919, 103.5358 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(219, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 203, 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(219, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.6194, 64.9919, 103.5358 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(219, 203, 255) }
```


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

```
.border{ border-color:rgb(219, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6194, 64.9919, 103.5358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 203, 255) }
```

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

```
.background{ background-color: rgb(219,  
203, 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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