

Converting Colors

XYZ(67.9906, 69.9302,
104.5221)

Have a look what the booklet for
XYZ(67.9906, 69.9302, 104.5221)
contains.

XYZ(68.0397, 69.8248, 104.4992)	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(68.0397, 69.8248,
104.4992)**

Conversions

Conversions Part 1

Format	Color
Hex	CDD9FF
RGB	205, 217, 255
RGB Percent	80%, 85%, 100%
CMY	0.1961, 0.1490, 0.0000
CMYK	0.20, 0.15, 0.00, 0.00
HSL	226°, 100%, 90%
HSV	226°, 20%, 100%
XYZ	68.0397, 69.8248, 104.4992
YIQ	217.7440, -19.3500, 9.2740

Conversions

Conversions Part 2

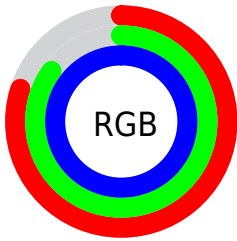
Format	Color
R _Y B	205, 215, 255
Decimal	13490687
CIE Lab	86.91, 3.70, -19.85
CIE LCh	87, 20.188, 280.553
Yxy	69.8248, 0.2807, 0.2881
Android (android.graphics.Color)	4291680767 (0xFFCDD9FF)
YUV	217.7440, 18.3672, -11.1765
Hunter-Lab	83.5612, -0.8886, -15.6534

Details

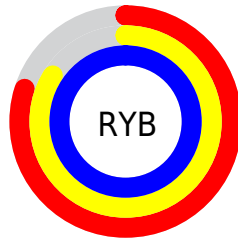
The XYZ color **68.0397, 69.8248, 104.4992** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.3099, 89.7681, 70.6428**, and the grayscale version is **66.3530, 69.8085, 76.0215**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6910, 36.4019, 58.5712** is the 20% darker color. If you saturate the color by 10%, you get **56.8655, 57.0810, 102.6283**, and if you desaturate by 10%, it is **80.9507, 84.3382, 106.6201**.

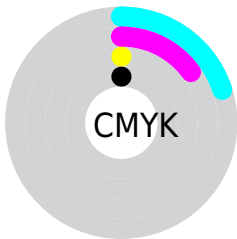
Distribution



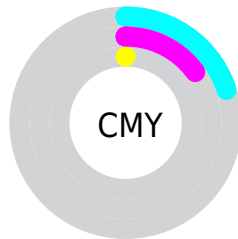
- Red (80%)
- Green (85%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0397, 69.8248, 104.4992 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 68.0397, 69.8248, 104.4992 by changing the saturation by 10% instead.

■ 68.0397, 69.8248,
104.4992

■ 68.0397, 69.8248,
104.4992

443.0112,
459.9346, 595.8927

■ 50.2038, 51.3837,
79.4255

115.4505,
118.9589, 169.4321

■ 35.7938, 36.5141,
58.7224

145.7562,
150.4207, 210.1284

■ 24.4444, 24.8315,
41.9711

180.9492,
186.9915, 256.8694

■ 15.7901, 15.9516,
28.7533

221.3948,
229.0557, 310.0735

■ 9.4657, 9.4899,
18.6503

267.4585,
276.9977, 370.1594

■ 5.1057, 5.0621,
11.2436

319.5055,

■ 2.3448, 2.2837,

331.2019, 437.5455

6.1147

377.9013,
392.0528, 512.6504

■ 0.8174, 0.7651,
2.8450

■ 0.0000, 0.0000,
1.0161

■ 68.0397, 69.8248,
104.4992

■ 68.0397, 69.8248,
104.4992

■ 56.8655, 57.0810,
102.6283

■ 80.9507, 84.3382,
106.6201

■ 47.3465, 46.0294,
100.9969

95.0500, 100.0000,
108.9000

■ 39.4034, 36.5992,
99.5953

■ 32.9475, 28.7110,
98.4130

■ 27.8811, 22.2783,
97.4384

■ 24.0940, 17.2055,
96.6588

■ 21.4577, 13.3837,
96.0601

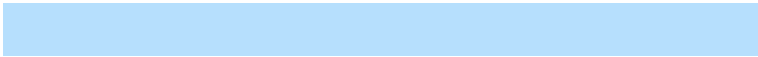
■ 19.7838, 10.6689,
95.6243

■ 19.7301, 10.5801,
95.6100

Harmonies

Analogous

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



63.3950, 69.8248, 103.2168



68.0397, 69.8248, 104.4992



72.4335, 69.8248, 97.4987

Triad

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



68.0397, 69.8248, 104.4992



73.4920, 69.8248, 60.3728



58.1835, 69.8248, 67.7104

Complementary

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



68.0397, 69.8248, 104.4992



84.3099, 89.7681, 70.6428

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.



60.6478, 69.8248, 57.9652



68.0397, 69.8248, 104.4992



69.4292, 69.8248, 54.0886

Square

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



68.0397, 69.8248, 104.4992



75.6789, 69.8248, 71.3731



64.7207, 69.8248, 53.2627



57.8510, 69.8248, 80.8796

Rectangle

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



68.0397, 69.8248, 104.4992



74.5738, 69.8248, 89.5123



64.7207, 69.8248, 53.2627



58.7844, 69.8248, 63.9696

Sweetspot

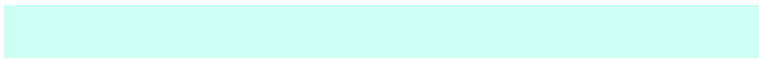
The Sweet Spot groups the original color and five complimentary colors.



68.0416, 69.8276, 104.4996



86.0457, 90.0173, 107.4477



77.0400, 90.9405, 97.8921



18.2161, 19.0435, 22.9656



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.



68.0416, 69.8276, 104.4996



62.9226, 64.0144, 103.6474



68.6468, 65.7128, 103.6735



17.3570, 18.0856, 22.8260



10.4050, 5.7195, 49.9902



1.0934, 0.7176, 4.8942

Inverse Universe

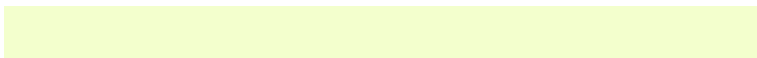
The Inverse Universe completely reimagines the original color for something new.



75.5970, 69.9340, 75.1629



71.9330, 64.3329, 68.6178



83.5698, 94.8939, 71.6712



18.1881, 18.0585, 19.6076



22.0401, 11.3053, 3.5959



2.1865, 1.1170, 0.5637

Previews

White Background



This preview shows how the XYZ color 68.0397, 69.8248, 104.4992 looks on a white background.

Color Contrast Check

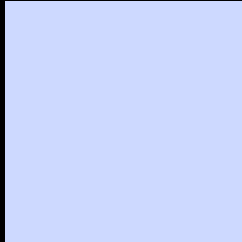
Large Text (above 18pt) WCAG AA × Fail

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 68.0397, 69.8248, 104.4992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

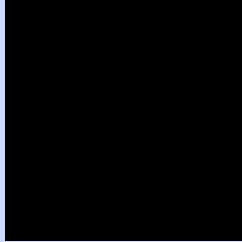
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0397, 69.8248, 104.4992

Background



This preview shows how black text looks on a background with the XYZ color 68.0397, 69.8248, 104.4992.

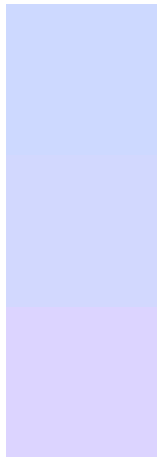


This preview shows how white text looks on a background with the XYZ color 68.0397, 69.8248,

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

68.0397, 69.8248, 104.4992

Protanopia

69.0236, 69.9691, 103.6334

Deuteranopia

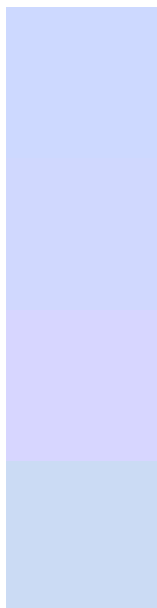
71.1087, 69.5226, 104.2791



Tritanopia

65.2364, 69.8574, 90.1663

Trichromacy



Original Color

68.0397, 69.8248, 104.4992

Protanomaly

68.4577, 69.6774, 103.6069

Deuteranomaly

70.1209, 69.7602, 104.3770

Tritanomaly

66.2893, 69.8912, 95.5845

Monochromacy



Original Color

68.0397, 69.8248, 104.4992

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.9358, 70.0585, 85.5960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0397, 69.8248, 104.4992 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 217, 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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0397, 69.8248, 104.4992 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, 217, 255) }
```


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

```
.border{ border-color:rgb(205, 217, 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, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0397, 69.8248, 104.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 217, 255) }
```

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

```
.background{ background-color: rgb(205,  
217, 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