

Converting Colors

XYZ(68.4901, 68.6368,
100.0809)

Have a look what the booklet for
XYZ(68.4901, 68.6368, 100.0809)
contains.

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Color

**XYZ(68.4901, 68.6368,
100.0809)**

Conversions

Conversions Part 1

Format	Color
Hex	D5D5FA
RGB	213, 213, 250
RGB Percent	84%, 84%, 98%
CMY	0.1647, 0.1647, 0.0196
CMYK	0.15, 0.15, 0.00, 0.02
HSL	240°, 79%, 91%
HSV	240°, 15%, 98%
XYZ	68.4901, 68.6368, 100.0809
YIQ	217.2180, -11.8770, 11.5070

Conversions

Conversions Part 2

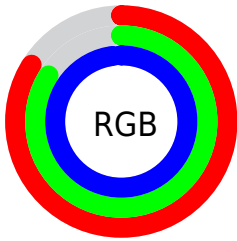
Format	Color
R _{YB}	213, 213, 250
Decimal	14013946
CIE Lab	86.32, 7.21, -18.04
CIE LCh	86, 19.426, 291.793
Yxy	68.6368, 0.2887, 0.2894
Android (android.graphics.Color)	4292204026 (0xFFD5D5FA)
YUV	217.2180, 16.1615, -3.6992
Hunter-Lab	82.8473, 2.5836, -13.6301

Details

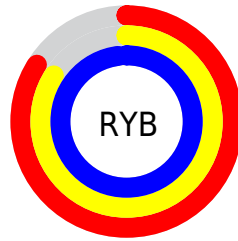
The XYZ color **68.4901, 68.6368, 100.0809** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.6205, 93.4987, 76.4865**, and the grayscale version is **66.0030, 69.4403, 75.6205**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9530, 35.5731, 55.4234** is the 20% darker color. If you saturate the color by 10%, you get **55.9797, 53.5631, 97.8319**, and if you desaturate by 10%, it is **83.0916, 86.2306, 102.7084**.

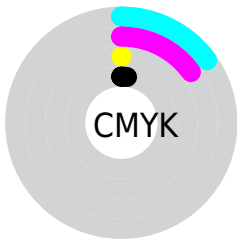
Distribution



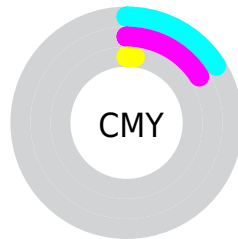
- Red (84%)
- Green (84%)
- Blue (98%)



- Red (84%)
- Yellow (84%)
- Blue (98%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4901, 68.6368, 100.0809 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 68.4901, 68.6368, 100.0809 by changing the saturation by 10% instead.

■ 68.4901, 68.6368,
100.0809

■ 68.4901, 68.6368,
100.0809

444.5801,
455.7489, 581.7009

■ 50.5717, 50.4160,
75.7508

116.0911,
117.2627, 163.3212

■ 36.0875, 35.7440,
55.7228

146.5043,
148.4365, 203.0685

■ 24.6722, 24.2366,
39.5782

181.8132,
184.6968, 248.7920

■ 15.9604, 15.5092,
26.8986

222.3831,
226.4279, 300.9102

■ 9.5868, 9.1775,
17.2653

268.5794,
274.0143, 359.8417

■ 5.1860, 4.8572,
10.2599

320.7674,

■ 2.3927, 2.1637,

327.8404, 426.0049

5.4637

379.3125,
388.2904, 499.8185

■ 0.8415, 0.7001,
2.4584

■ 0.0000, 0.0000,
0.8180

■ 68.4901, 68.6368,
100.0809

■ 68.4901, 68.6368,
100.0809

■ 55.9797, 53.5631,
97.8319

■ 83.0916, 86.2306,
102.7084

■ 45.4589, 40.8864,
95.9395

■ 94.2555, 99.6822,
104.7164

■ 36.8270, 30.4856,
94.3869

■ 29.9723, 22.2260,
93.1539

■ 24.7710, 15.9587,
92.2183

■ 21.0839, 11.5158,
91.5551

■ 18.7486, 8.7017,
91.1350

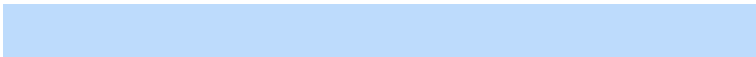
■ 17.5657, 7.2761,
90.9222

■ 17.2557, 6.9026,
90.8664

Harmonies

Analogous

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



64.0144, 68.6368, 101.9285



68.4901, 68.6368, 100.0809



72.2480, 68.6368, 91.0670

Triad

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



68.4901, 68.6368, 100.0809



70.7155, 68.6368, 56.9648



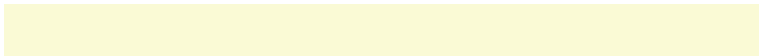
57.0718, 68.6368, 71.2646

Complementary

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



68.4901, 68.6368, 100.0809



85.6205, 93.4987, 76.4865

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.



58.6953, 68.6368, 60.4806



68.4901, 68.6368, 100.0809



66.4756, 68.6368, 52.8652

Square

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



68.4901, 68.6368, 100.0809



73.5732, 68.6368, 65.9381



62.0890, 68.6368, 54.0743



57.5559, 68.6368, 84.2789

Rectangle

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



68.4901, 68.6368, 100.0809



73.7733, 68.6368, 82.7161



62.0890, 68.6368, 54.0743



57.3864, 68.6368, 67.2823

Sweetspot

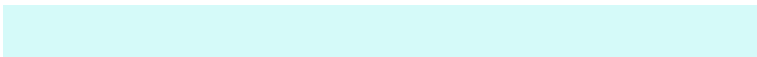
The Sweet Spot groups the original color and five complimentary colors.



68.4922, 68.6396, 100.0824



88.2286, 91.7809, 107.6731



78.7862, 89.3821, 103.0374



18.6188, 19.3246, 22.9987



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.



68.4922, 68.6396, 100.0824



67.1987, 66.4417, 103.8905



73.9682, 71.4616, 100.3385



16.2832, 16.6433, 21.7395



9.1529, 3.6614, 48.1979



0.8478, 0.3392, 4.4640

Inverse Universe

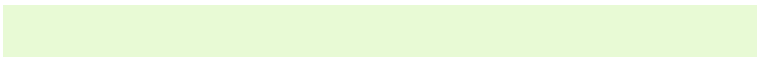
The Inverse Universe completely reimagines the original color for something new.



75.2305, 72.7181, 73.0250



75.5865, 71.5186, 70.2095



79.5137, 90.3519, 76.2010



17.2447, 17.2253, 17.8786



20.9120, 10.7805, 0.9791



1.9368, 0.9985, 0.0908

Previews

White Background



This preview shows how the XYZ color 68.4901, 68.6368, 100.0809 looks on a white background.

Color Contrast Check

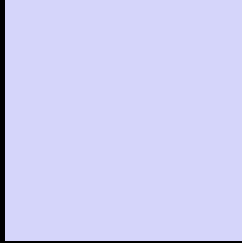
Large Text (above 18pt) WCAG AA × Fail

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 68.4901, 68.6368, 100.0809 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 68.4901, 68.6368, 100.0809

Background



This preview shows how black text looks on a background with the XYZ color 68.4901, 68.6368, 100.0809.



This preview shows how white text looks on a background with the XYZ color 68.4901, 68.6368,

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

68.4901, 68.6368, 100.0809

Protanopia

67.7536, 68.6135, 100.9395

Deuteranopia

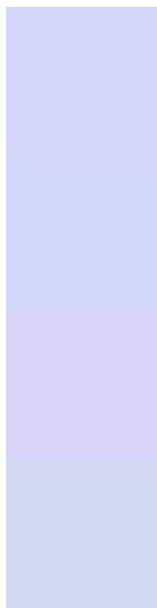
70.0648, 68.7063, 100.0113



Tritanopia

65.8422, 68.6966, 86.8803

Trichromacy



Original Color

68.4901, 68.6368, 100.0809

Protanomaly

68.0375, 68.7598, 100.9528

Deuteranomaly

69.4141, 68.7408, 100.0523

Tritanomaly

66.7444, 68.6818, 91.4005

Monochromacy



Original Color

68.4901, 68.6368, 100.0809

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.0176, 69.3678, 83.9859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4901, 68.6368, 100.0809 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(213, 213, 250)` looks like.

```
.text, #text, p{  
    color:rgb(213, 213, 250)  
}
```

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(213, 213, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 213, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.4901, 68.6368, 100.0809 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(213, 213, 250) }
```


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

```
.border{ border-color:rgb(213, 213, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 213, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 213, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 213, 250);  
box-shadow:4px 4px 4px 4px rgb(213, 213,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4901, 68.6368, 100.0809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 213, 250) }
```

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

```
.background{ background-color: rgb(213,  
213, 250) }
```

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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