

Converting Colors

XYZ(68.4944, 70.6040,
100.5045)

Have a look what the booklet for
XYZ(68.4944, 70.6040, 100.5045)
contains.

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Color

**XYZ(68.3391, 70.4548,
100.4398)**

Conversions

Conversions Part 1

Format	Color
Hex	D0DAFA
RGB	208, 218, 250
RGB Percent	82%, 85%, 98%
CMY	0.1843, 0.1451, 0.0196
CMYK	0.17, 0.13, 0.00, 0.02
HSL	226°, 81%, 90%
HSV	226°, 17%, 98%
XYZ	68.3391, 70.4548, 100.4398
YIQ	218.6580, -16.2320, 7.8320

Conversions

Conversions Part 2

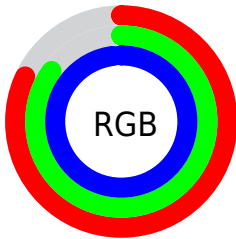
Format	Color
R_{YB}	208, 216, 250
Decimal	13687546
CIE _{Lab}	87.22, 3.02, -16.73
CIE _{LCh}	87, 16.997, 280.242
Yxy	70.4548, 0.2857, 0.2945
Android (android.graphics.Color)	4291877626 (0xFFD0DAFA)
YUV	218.6580, 15.4516, -9.3471
Hunter-Lab	83.9374, -1.5614, -12.1905

Details

The XYZ color **68.3391, 70.4548, 100.4398** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.9701, 87.1980, 72.1866**, and the grayscale version is **67.0012, 70.4905, 76.7642**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8597, 36.8169, 55.6684** is the 20% darker color. If you saturate the color by 10%, you get **57.1984, 57.7975, 98.5850**, and if you desaturate by 10%, it is **81.1595, 84.8241, 102.5388**.

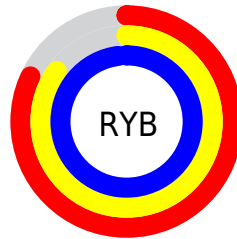
Distribution



Red (82%)

Green (85%)

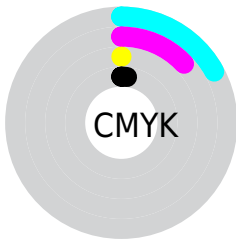
Blue (98%)



Red (82%)

Yellow (85%)

Blue (98%)

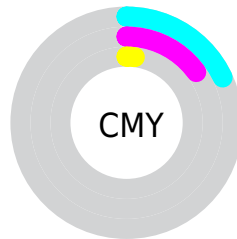


Cyan (17%)

Magenta (13%)

Yellow (0%)

Black (2%)



Cyan (18%)

Magenta (15%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3391, 70.4548, 100.4398 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 68.3391, 70.4548, 100.4398 by changing the saturation by 10% instead.

■ 68.3391, 70.4548,
100.4398

■ 68.3391, 70.4548,
100.4398

444.0544,
462.1453, 582.8605

■ 50.4483, 51.8974,
76.0490

115.8764,
119.8571, 163.8186

■ 35.9890, 36.9233,
55.9658

146.2536,
151.4708, 203.6436

■ 24.5958, 25.1481,
39.7717

181.5237,
188.2054, 249.4504

■ 15.9033, 16.1874,
27.0481

222.0520,
230.4452, 301.6576

■ 9.5462, 9.6569,
17.3766

268.2038,
278.5747, 360.6836

■ 5.1590, 5.1721,
10.3386

320.3446,

■ 2.3766, 2.3486,

332.9783, 426.9471

5.5155

378.8397,
394.0404, 500.8666

■ 0.8334, 0.7992,
2.4888

■ 0.0000, 0.0000,
0.8342

■ 68.3391, 70.4548,
100.4398

■ 68.3391, 70.4548,
100.4398

■ 57.1984, 57.7975,
98.5850

■ 81.1595, 84.8241,
102.5388

■ 47.6601, 46.7787,
96.9609

■ 94.2555, 99.6822,
104.7164

■ 39.6502, 37.3319,
95.5596

■ 33.0863, 29.3830,
94.3713

■ 27.8779, 22.8512,
93.3850

■ 23.9235, 17.6477,
92.5891

■ 21.1063, 13.6725,
91.9703

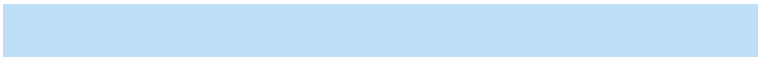
■ 19.2827, 10.8078,
91.5135

■ 18.8474, 10.0859,
91.3971

Harmonies

Analogous

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



64.4041, 70.4548, 99.3145



68.3391, 70.4548, 100.4398



72.0466, 70.4548, 94.7441

Triad

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



68.3391, 70.4548, 100.4398



72.9960, 70.4548, 63.3718



59.9987, 70.4548, 69.5203

Complementary

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



68.3391, 70.4548, 100.4398



81.9701, 87.1980, 72.1866

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.



62.1285, 70.4548, 61.1288



68.3391, 70.4548, 100.4398



69.5933, 70.4548, 57.8308

Square

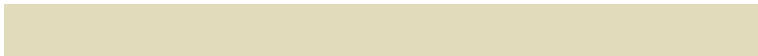
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3391, 70.4548, 100.4398



74.8052, 70.4548, 72.8711



65.6098, 70.4548, 57.0526



59.6930, 70.4548, 80.6883

Rectangle

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



68.3391, 70.4548, 100.4398



73.8513, 70.4548, 88.1482



65.6098, 70.4548, 57.0526



60.5210, 70.4548, 66.3127

Sweetspot

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



68.3412, 70.4577, 100.4414



87.4930, 91.6198, 107.6808



75.8533, 88.0440, 95.0468



18.5077, 19.3664, 23.0126



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.



68.3412, 70.4577, 100.4414



67.5451, 69.2440, 104.4132



68.8758, 66.9980, 99.7454



16.6186, 17.3140, 21.8513



10.0889, 5.5333, 48.5098



1.0126, 0.6689, 4.5189

Inverse Universe

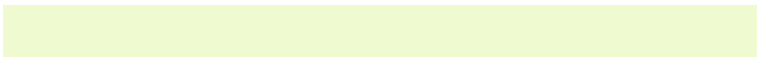
The Inverse Universe completely reimagines the original color for something new.



74.6368, 70.4993, 76.0069



75.2464, 69.4112, 74.4966



81.3377, 91.3644, 73.0241



17.4140, 17.2930, 18.7700



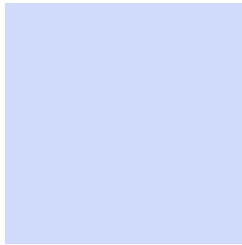
21.3844, 10.9695, 3.4668



2.0200, 1.0317, 0.5289

Previews

White Background



This preview shows how the XYZ color 68.3391, 70.4548, 100.4398 looks on a white background.

Color Contrast Check

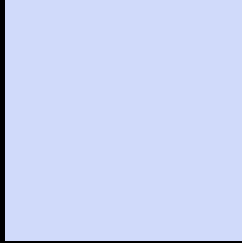
Large Text (above 18pt) WCAG AA × Fail

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 68.3391, 70.4548, 100.4398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

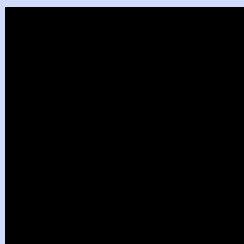
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3391, 70.4548, 100.4398

Background



This preview shows how black text looks on a background with the XYZ color 68.3391, 70.4548, 100.4398.



This preview shows how white text looks on a background with the XYZ color 68.3391, 70.4548,

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

68.3391, 70.4548, 100.4398

Protanopia

69.3523, 70.6114, 99.5966

Deuteranopia

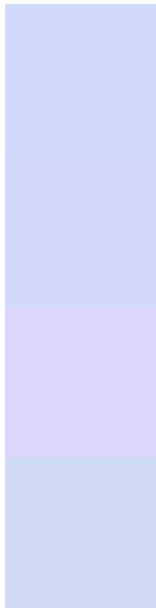
71.9473, 70.4008, 101.0635



Tritanopia

66.4794, 70.4813, 90.9893

Trichromacy



Original Color

68.3391, 70.4548, 100.4398

Protanomaly

68.7757, 70.3141, 99.5697

Deuteranomaly

70.6265, 70.4713, 101.1467

Tritanomaly

67.0907, 70.3392, 94.0452

Monochromacy



Original Color

68.3391, 70.4548, 100.4398

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.6388, 70.8233, 84.9682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3391, 70.4548, 100.4398 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(208, 218, 250)` looks like.

```
.text, #text, p{  
    color:rgb(208, 218, 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(208, 218, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 218, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.3391, 70.4548, 100.4398 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(208, 218, 250) }
```


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

```
.border{ border-color:rgb(208, 218, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 218, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 218, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 218, 250);  
box-shadow:4px 4px 4px 4px rgb(208, 218,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3391, 70.4548, 100.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 218, 250) }
```

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

```
.background{ background-color: rgb(208,  
218, 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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