

Converting Colors

XYZ(51.2079, 48.8614,
100.4982)

Have a look what the booklet for
XYZ(51.2079, 48.8614, 100.4982)
contains.

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Color

**XYZ(51.2079, 48.8614,
100.4982)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB5FE
RGB	171, 181, 254
RGB Percent	67%, 71%, 100%
CMY	0.3294, 0.2902, 0.0039
CMYK	0.33, 0.29, 0.00, 0.00
HSL	233°, 98%, 83%
HSV	233°, 33%, 100%
XYZ	51.2079, 48.8614, 100.4982
YIQ	186.3320, -29.3930, 20.5830

Conversions

Conversions Part 2

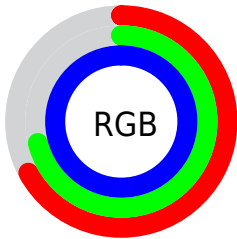
Format	Color
R_{YB}	171, 180, 254
Decimal	11253246
CIE Lab	75.37, 13.04, -37.20
CIE LCh	75, 39.421, 289.312
Yxy	48.8614, 0.2553, 0.2436
Android (android.graphics.Color)	4289443326 (0xFFABB5FE)
YUV	186.3320, 33.3603, -13.4462
Hunter-Lab	69.9009, 8.4386, -36.3120

Details

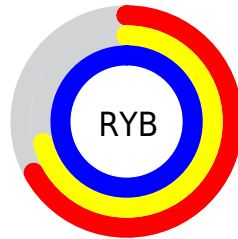
The XYZ color **51.2079, 48.8614, 100.4982** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.5758, 88.7140, 51.4068**, and the grayscale version is **46.6902, 49.1217, 53.4935**.

A 20% lighter version of the original color is **80.3291, 84.2824, 106.6421**, and **24.9997, 23.1826, 55.9804** is the 20% darker color. If you saturate the color by 10%, you get **42.0136, 37.9112, 98.8701**, and if you desaturate by 10%, it is **62.1969, 61.8200, 102.4212**.

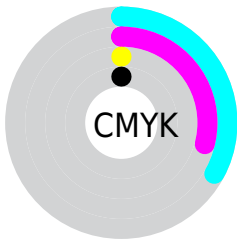
Distribution



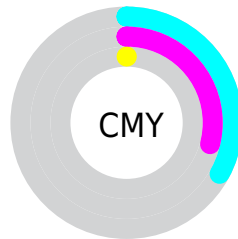
- Red (67%)
- Green (71%)
- Blue (100%)



- Red (67%)
- Yellow (71%)
- Blue (100%)



- Cyan (33%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2079, 48.8614, 100.4982 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 51.2079, 48.8614, 100.4982 by changing the saturation by 10% instead.

■ 51.2079, 48.8614,
100.4982

■ 51.2079, 48.8614,
100.4982

381.7453,
382.1964, 583.0491

■ 36.5958, 34.5095,
76.0975

■ 91.1432, 88.4856,
163.8995

■ 25.0669, 23.2853,
56.0053

117.1971,
114.5267, 203.7371

■ 16.2559, 14.8043,
39.8032

147.7956,
145.2330, 249.5575

■ 9.7974, 8.6822,
27.0725

183.3041,
180.9889, 301.7791

■ 5.3261, 4.5345,
17.3947

224.0880,
222.1788, 360.8206

■ 2.4765, 1.9768,
10.3514

270.5126,

■ 0.8834, 0.5939,

269.1871, 427.1004

5.5239

322.9433,
322.3982, 501.0370

■ 0.0000, 0.0000,
2.4938

■ 0.0000, 0.0000,
0.8369

■ 51.2079, 48.8614,
100.4982

■ 51.2079, 48.8614,
100.4982

■ 42.0136, 37.9112,
98.8701

■ 62.1969, 61.8200,
102.4212

■ 34.5134, 28.8630,
97.5189

■ 75.0641, 76.8751,
104.6489

■ 28.6039, 21.6091,
96.4302

■ 89.8940, 94.1163,
107.1952

■ 24.1689, 16.0285,
95.5868

94.8896, 99.9358,
108.0551

■ 21.0752, 11.9850,
94.9694

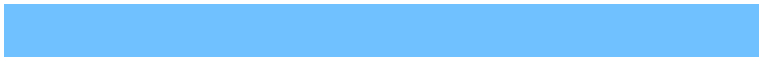
■ 19.1655, 9.3204,
94.5557

■ 18.3692, 8.1151,
94.3650

Harmonies

Analogous

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



43.9026, 48.8614, 102.8925



51.2079, 48.8614, 100.4982



57.8394, 48.8614, 83.7201

Triad

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



51.2079, 48.8614, 100.4982



56.1396, 48.8614, 28.2990



34.0408, 48.8614, 46.1328

Complementary

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



51.2079, 48.8614, 100.4982



80.5758, 88.7140, 51.4068

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.



36.6486, 48.8614, 31.1798



51.2079, 48.8614, 100.4982



49.0761, 48.8614, 22.8139

Square

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



51.2079, 48.8614, 100.4982



60.8853, 48.8614, 41.0557



41.9801, 48.8614, 23.7094



34.4839, 48.8614, 67.5342

Rectangle

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



51.2079, 48.8614, 100.4982



60.7482, 48.8614, 68.5962



41.9801, 48.8614, 23.7094



34.5779, 48.8614, 40.3022

Sweetspot

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



51.2096, 48.8633, 100.4993



79.5408, 81.9963, 106.2424



68.4054, 86.0098, 97.7386



16.5932, 17.0477, 22.6659



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.



51.2096, 48.8633, 100.4993



45.5896, 42.0756, 100.3263



56.6581, 48.7612, 100.1925



17.1793, 17.7301, 22.7668



9.7387, 4.3870, 49.7681



1.0017, 0.5341, 4.8636

Inverse Universe

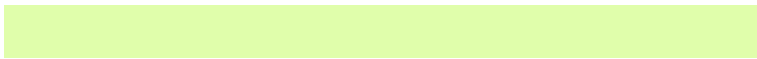
The Inverse Universe completely reimagines the original color for something new.



63.7779, 53.5347, 50.6896



60.0774, 47.6959, 42.8571



73.4002, 89.6032, 51.9567



18.0984, 18.0227, 19.1352



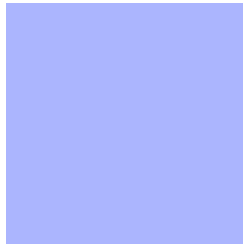
21.7039, 11.1708, 1.8250



2.1402, 1.0985, 0.3198

Previews

White Background



This preview shows how the XYZ color 51.2079, 48.8614, 100.4982 looks on a white background.

Color Contrast Check

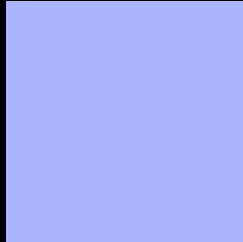
Large Text (above 18pt) WCAG AA × Fail

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 51.2079, 48.8614, 100.4982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

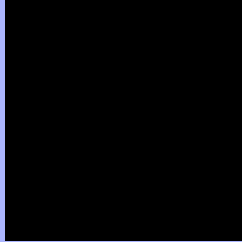
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2079, 48.8614, 100.4982

Background



This preview shows how black text looks on a background with the XYZ color 51.2079, 48.8614, 100.4982.



This preview shows how white text looks on a background with the XYZ color 51.2079, 48.8614,

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

51.2079, 48.8614, 100.4982

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.1327, 48.9152, 100.5652



Tritanopia

43.9301, 48.7083, 64.8439

Trichromacy



Original Color

51.2079, 48.8614, 100.4982

Protanomaly

50.7143, 48.8914, 101.3718

Deuteranomaly

50.5537, 48.8271, 100.5260

Tritanomaly

46.3994, 48.7609, 76.7783

Monochromacy



Original Color

51.2079, 48.8614, 100.4982

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.9544, 48.8079, 68.5214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2079, 48.8614, 100.4982 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(171, 181, 254)` looks like.

```
.text, #text, p{  
    color:rgb(171, 181, 254)  
}
```

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(171, 181, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 181, 254) }
```

Border

The CSS property to change the border of an element to XYZ 51.2079, 48.8614, 100.4982 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(171, 181, 254) }
```


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

```
.border{ border-color:rgb(171, 181, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 181, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 181, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 181, 254);  
box-shadow:4px 4px 4px 4px rgb(171, 181,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2079, 48.8614, 100.4982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 181, 254) }
```

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

```
.background{ background-color: rgb(171,  
181, 254) }
```

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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