

Converting Colors

XYZ(50.5004, 47.1962, 96.8084)

Have a look what the booklet for
XYZ(50.5004, 47.1962, 96.8084)
contains.

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Color

**XYZ(50.4598, 47.0668,
96.8678)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB0FA
RGB	175, 176, 250
RGB Percent	69%, 69%, 98%
CMY	0.3137, 0.3098, 0.0196
CMYK	0.30, 0.30, 0.00, 0.02
HSL	239°, 88%, 83%
HSV	239°, 30%, 98%
XYZ	50.4598, 47.0668, 96.8678
YIQ	184.1370, -24.3500, 22.8020

Conversions

Conversions Part 2

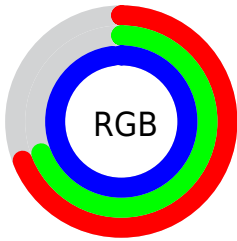
Format	Color
RYB	175, 176, 250
Decimal	11514106
CIELab	74.23, 15.93, -36.78
CIELCh	74, 40.082, 293.414
Yxy	47.0668, 0.2596, 0.2421
Android (android.graphics.Color)	4289704186 (0xFFAFB0FA)
YUV	184.1370, 32.4705, -8.0131
Hunter-Lab	68.6052, 11.2292, -35.6914

Details

The XYZ color **50.4598, 47.0668, 96.8678** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **81.0386, 91.1710, 53.8855**, and the grayscale version is **45.4729, 47.8410, 52.0988**.

A 20% lighter version of the original color is **80.1853, 82.0890, 106.2263**, and **24.5790, 22.2586, 53.4530** is the 20% darker color. If you saturate the color by 10%, you get **40.9546, 35.6284, 95.1618**, and if you desaturate by 10%, it is **61.8856, 60.8017, 98.9175**.

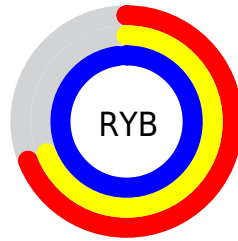
Distribution



Red (69%)

Green (69%)

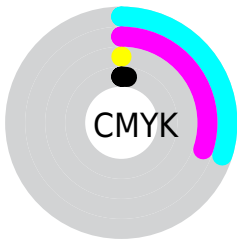
Blue (98%)



Red (69%)

Yellow (69%)

Blue (98%)

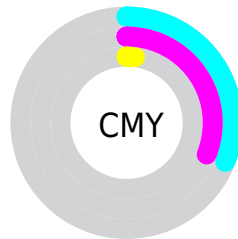


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4598, 47.0668, 96.8678 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 50.4598, 47.0668, 96.8678 by changing the saturation by 10% instead.

■ 50.4598, 47.0668,
96.8678

■ 50.4598, 47.0668,
96.8678

378.8837,
375.0811, 571.2638

■ 35.9982, 33.0885,
73.0851

■ 90.0435, 85.8133,
158.8602

■ 24.6029, 22.1942,
53.5533

115.8963,
111.3503, 197.9070

■ 15.9086, 13.9997,
37.8539

146.2769,
141.5090, 242.8789

■ 9.5499, 8.1204,
25.5684

181.5506,
176.6737, 294.1944

■ 5.1615, 4.1721,
16.2781

222.0827,
217.2289, 352.2722

■ 2.3781, 1.7703,
9.5647

268.2387,

■ 0.8342, 0.4686,

263.5589, 417.5306

5.0095

320.3839,
316.0482, 490.3883

■ 0.0000, 0.0000,
2.1940

■ 0.0000, 0.0000,
0.6709

■ 50.4598, 47.0668,
96.8678

■ 50.4598, 47.0668,
96.8678

■ 40.9546, 35.6284,
95.1618

■ 61.8856, 60.8017,
98.9175

■ 33.2602, 26.3562,
93.7776

■ 75.3241, 76.9429,
101.3248

■ 27.2631, 19.1152,
92.6960

■ 90.8676, 95.6000,
104.1068

■ 22.8349, 13.7533,
91.8945

■ 94.2555, 99.6822,
104.7161

■ 19.8292, 10.0967,
91.3471

■ 18.0718, 7.9396,
91.0234

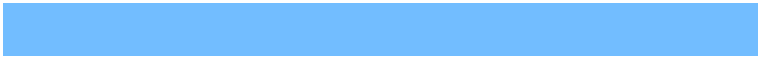
■ 17.2917, 6.9747,
90.8782

■ 17.2917, 6.9746,
90.8782

Harmonies

Analogous

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



43.1680, 47.0668, 101.5273



50.4598, 47.0668, 96.8678



56.7857, 47.0668, 78.6677

Triad

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



50.4598, 47.0668, 96.8678



53.4959, 47.0668, 25.5679



32.3546, 47.0668, 46.8377

Complementary

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



50.4598, 47.0668, 96.8678



81.0386, 91.1710, 53.8855

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.



34.5235, 47.0668, 31.0786



50.4598, 47.0668, 96.8678



46.3407, 47.0668, 21.1104

Square

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



50.4598, 47.0668, 96.8678



58.6657, 47.0668, 37.0639



39.4615, 47.0668, 22.8154



33.2060, 47.0668, 68.6546

Rectangle

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



50.4598, 47.0668, 96.8678



59.3434, 47.0668, 63.4065



39.4615, 47.0668, 22.8154



32.7463, 47.0668, 40.7521

Sweetspot

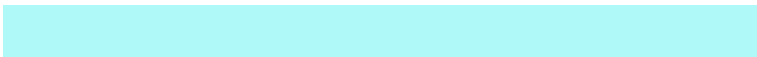
The Sweet Spot groups the original color and five complimentary colors.



50.4614, 47.0686, 96.8689



80.3019, 82.2982, 106.2605



68.9259, 84.3102, 102.0598



16.7140, 17.0462, 22.6593



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.



50.4614, 47.0686, 96.8689



46.5469, 41.7310, 100.2093



59.5223, 51.4494, 97.2369



16.3016, 16.6801, 21.7457



9.1801, 3.7158, 48.2069



0.8566, 0.3568, 4.4669

Inverse Universe

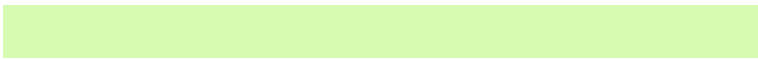
The Inverse Universe completely reimagines the original color for something new.



62.5921, 54.1200, 48.2235



61.1120, 50.2212, 41.7962



69.5833, 85.7260, 53.4383



17.2540, 17.2290, 17.9275



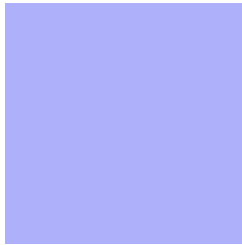
20.9257, 10.7860, 1.0513



1.9413, 1.0002, 0.1142

Previews

White Background



This preview shows how the XYZ color 50.4598, 47.0668, 96.8678 looks on a white background.

Color Contrast Check

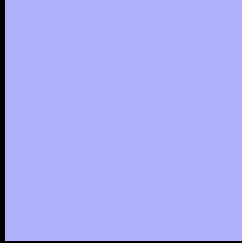
Large Text (above 18pt) WCAG AA × Fail

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 50.4598, 47.0668, 96.8678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

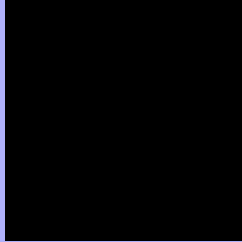
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4598, 47.0668, 96.8678

Background



This preview shows how black text looks on a background with the XYZ color 50.4598, 47.0668, 96.8678.



This preview shows how white text looks on a background with the XYZ color 50.4598, 47.0668,

96.8678.

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

50.4598, 47.0668, 96.8678

Protanopia

48.5481, 47.2079, 99.4818

Deuteranopia

48.3204, 47.1635, 96.1792



Tritanopia

43.5013, 47.2873, 61.4782

Trichromacy



Original Color

50.4598, 47.0668, 96.8678

Protanomaly

49.2078, 47.2678, 98.6255

Deuteranomaly

49.1553, 47.2952, 96.1607

Tritanomaly

45.7450, 46.9529, 72.9815

Monochromacy



Original Color

50.4598, 47.0668, 96.8678

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.9651, 47.4256, 66.3532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4598, 47.0668, 96.8678 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(175, 176, 250)` looks like.

```
.text, #text, p{  
    color:rgb(175, 176, 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(175, 176, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 176, 250) }
```

Border

The CSS property to change the border of an element to XYZ 50.4598, 47.0668, 96.8678 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(175, 176, 250) }
```


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

```
.border{ border-color:rgb(175, 176, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 176, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 176, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 176, 250);  
box-shadow:4px 4px 4px 4px rgb(175, 176,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4598, 47.0668, 96.8678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 176, 250) }
```

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

```
.background{ background-color: rgb(175,  
176, 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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