

Converting Colors

XYZ(48.0041, 46.1497, 88.1910)

Have a look what the booklet for
XYZ(48.0041, 46.1497, 88.1910)
contains.

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Color

**XYZ(48.0967, 46.3342,
88.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB1EF
RGB	171, 177, 239
RGB Percent	67%, 69%, 94%
CMY	0.3294, 0.3059, 0.0627
CMYK	0.28, 0.26, 0.00, 0.06
HSL	235°, 68%, 80%
HSV	235°, 28%, 94%
XYZ	48.0967, 46.3342, 88.0698
YIQ	182.2740, -23.4780, 18.0100

Conversions

Conversions Part 2

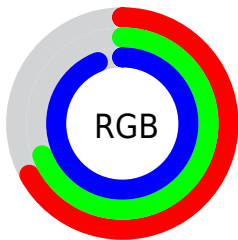
Format	Color
R_{YB}	171, 177, 239
Decimal	11252207
CIE _{Lab}	73.76, 11.53, -31.58
CIE _{LCh}	74, 33.624, 290.063
Yxy	46.3342, 0.2635, 0.2539
Android (android.graphics.Color)	4289442287 (0xFFABB1EF)
YUV	182.2740, 27.9659, -9.8873
Hunter-Lab	68.0692, 7.0043, -29.0625

Details

The XYZ color **48.0967, 46.3342, 88.0698** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.0870, 79.5694, 50.0886**, and the grayscale version is **44.4755, 46.7916, 50.9561**.

A 20% lighter version of the original color is **78.8675, 81.8287, 106.2455**, and **23.2170, 21.8680, 47.7970** is the 20% darker color. If you saturate the color by 10%, you get **39.3880, 35.9581, 86.5268**, and if you desaturate by 10%, it is **58.4370, 58.5737, 89.8881**.

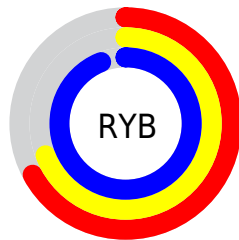
Distribution



Red (67%)

Green (69%)

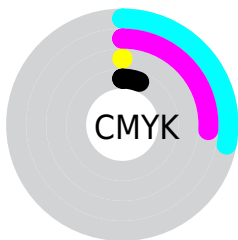
Blue (94%)



Red (67%)

Yellow (69%)

Blue (94%)

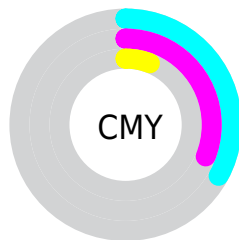


Cyan (28%)

Magenta (26%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (31%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0967, 46.3342, 88.0698 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 48.0967, 46.3342, 88.0698 by changing the saturation by 10% instead.

■ 48.0967, 46.3342,
88.0698

■ 48.0967, 46.3342,
88.0698

369.7515,
372.1506, 542.1390

■ 34.1150, 32.5096,
65.8162

■ 86.5572, 84.7189,
146.5663

■ 23.1453, 21.7511,
47.6677

111.7667,
110.0479, 183.6463

■ 14.8221, 13.6741,
33.2057

141.4496,
139.9804, 226.5056

■ 8.7801, 7.8943,
22.0116

175.9712,
174.9009, 275.5626

■ 4.6540, 4.0274,
13.6671

215.6968,
215.1938, 331.2359

■ 2.0784, 1.6889,
7.7534

260.9918,

■ 0.6774, 0.4165,

261.2435, 393.9440

3.8520

312.2216,
313.4343, 464.1056

■ 0.0000, 0.0000,
1.5445

■ 0.0000, 0.0000,
0.2508

■ 48.0967, 46.3342,
88.0698

■ 48.0967, 46.3342,
88.0698

■ 39.3880, 35.9581,
86.5268

■ 58.4370, 58.5737,
89.8881

■ 32.2229, 27.3487,
85.2427

■ 70.4816, 72.7560,
91.9907

■ 26.5124, 20.4088,
84.2041

■ 84.3044, 88.9627,
94.3904

■ 22.1560, 15.0295,
83.3954

■ 92.5801, 99.0121,
95.8939

■ 19.0409, 11.0891,
82.7990

■ 17.0353, 8.4475,
82.3949

■ 15.9628, 6.9286,
82.1582

■ 15.8500, 6.7717,
82.1339

Harmonies

Analogous

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



42.0875, 46.3342, 90.2656



48.0967, 46.3342, 88.0698



53.4426, 46.3342, 74.6401

Triad

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



48.0967, 46.3342, 88.0698



51.8288, 46.3342, 29.2040



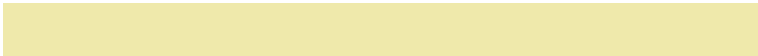
33.6703, 46.3342, 44.9857

Complementary

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



48.0967, 46.3342, 88.0698



72.0870, 79.5694, 50.0886

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.



35.8092, 46.3342, 32.1483



48.0967, 46.3342, 88.0698



46.0505, 46.3342, 24.4975

Square

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



48.0967, 46.3342, 88.0698



55.7286, 46.3342, 39.9894



40.2167, 46.3342, 25.4373



34.1107, 46.3342, 62.5923

Rectangle

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



48.0967, 46.3342, 88.0698



55.7387, 46.3342, 62.5139



40.2167, 46.3342, 25.4373



34.1034, 46.3342, 40.0476

Sweetspot

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



48.0982, 46.3360, 88.0709



80.7892, 83.2727, 106.4229



62.2562, 76.2295, 87.9264



16.8328, 17.2837, 22.6989



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.



48.0982, 46.3360, 88.0709



49.7781, 46.6092, 100.9806



53.4857, 47.3923, 87.9908



15.0094, 15.4529, 19.9132



8.7981, 3.8205, 45.4016



0.7700, 0.3940, 3.7897

Inverse Universe

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



58.0966, 50.6523, 48.3117



63.1297, 52.5088, 47.8567



65.3121, 78.6416, 50.2666



15.8294, 15.7815, 16.6580



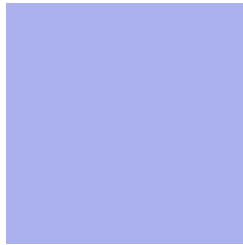
19.7665, 10.1790, 1.4211



1.6636, 0.8545, 0.2194

Previews

White Background



This preview shows how the XYZ color 48.0967, 46.3342, 88.0698 looks on a white background.

Color Contrast Check

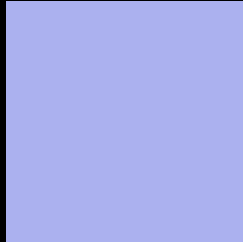
Large Text (above 18pt) WCAG AA × Fail

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 48.0967, 46.3342, 88.0698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

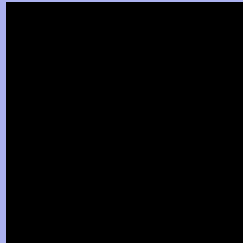
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0967, 46.3342, 88.0698

Background



This preview shows how black text looks on a background with the XYZ color 48.0967, 46.3342, 88.0698.



This preview shows how white text looks on a background with the XYZ color 48.0967, 46.3342,

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

48.0967, 46.3342, 88.0698

Protanopia

47.1581, 46.4240, 88.9133

Deuteranopia

47.4367, 46.2883, 88.0957



Tritanopia

42.5535, 46.1910, 60.7058

Trichromacy



Original Color

48.0967, 46.3342, 88.0698

Protanomaly

47.5849, 46.3475, 88.8761

Deuteranomaly

47.6488, 46.3976, 88.1056

Tritanomaly

44.3874, 46.0098, 70.1596

Monochromacy



Original Color

48.0967, 46.3342, 88.0698

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.4608, 46.4193, 63.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0967, 46.3342, 88.0698 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, 177, 239)` looks like.

```
.text, #text, p{  
    color:rgb(171, 177, 239)  
}
```

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, 177, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 177, 239) }
```

Border

The CSS property to change the border of an element to XYZ 48.0967, 46.3342, 88.0698 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, 177, 239) }
```


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

```
.border{ border-color:rgb(171, 177, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 177, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 177, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 177, 239);  
box-shadow:4px 4px 4px 4px rgb(171, 177,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0967, 46.3342, 88.0698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 177, 239) }
```

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

```
.background{ background-color: rgb(171,  
177, 239) }
```

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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