

Converting Colors

XYZ(48.2932, 46.3688, 88.0671)

Have a look what the booklet for
XYZ(48.2932, 46.3688, 88.0671)
contains.

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Color

**XYZ(48.3154, 46.4469,
88.0800)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB1EF
RGB	172, 177, 239
RGB Percent	67%, 69%, 94%
CMY	0.3255, 0.3059, 0.0627
CMYK	0.28, 0.26, 0.00, 0.06
HSL	236°, 68%, 81%
HSV	236°, 28%, 94%
XYZ	48.3154, 46.4469, 88.0800
YIQ	182.5730, -22.8820, 18.2220

Conversions

Conversions Part 2

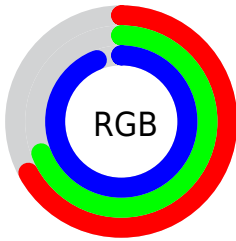
Format	Color
R _Y B	172, 177, 239
Decimal	11317743
CIE Lab	73.83, 11.82, -31.47
CIE LCh	74, 33.614, 290.596
Yxy	46.4469, 0.2642, 0.2540
Android (android.graphics.Color)	4289507823 (0xFFACB1EF)
YUV	182.5730, 27.8185, -9.2725
Hunter-Lab	68.1520, 7.2792, -28.9204

Details

The XYZ color **48.3154, 46.4469, 88.0800** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.4667, 80.1757, 50.6874**, and the grayscale version is **44.6390, 46.9637, 51.1434**.

A 20% lighter version of the original color is **79.5020, 82.1558, 106.2752**, and **23.3521, 21.9377, 47.8034** is the 20% darker color. If you saturate the color by 10%, you get **39.5141, 35.9427, 86.5172**, and if you desaturate by 10%, it is **58.7710, 58.8569, 89.9251**.

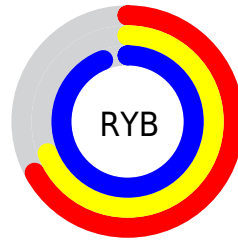
Distribution



Red (67%)

Green (69%)

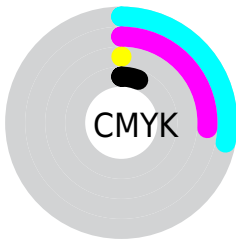
Blue (94%)



Red (67%)

Yellow (69%)

Blue (94%)

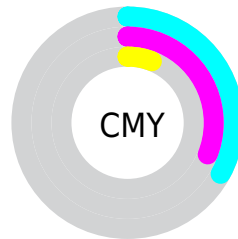


Cyan (28%)

Magenta (26%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (31%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3154, 46.4469, 88.0800 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 48.3154, 46.4469, 88.0800 by changing the saturation by 10% instead.

■ 48.3154, 46.4469,
88.0800

■ 48.3154, 46.4469,
88.0800

370.6028,
372.6024, 542.1733

■ 34.2890, 32.5986,
65.8246

■ 86.8807, 84.8874,
146.5806

■ 23.2797, 21.8191,
47.6745

112.1503,
110.2485, 183.6630

■ 14.9220, 13.7241,
33.2110

141.8983,
140.2159, 226.5247

■ 8.8506, 7.9290,
22.0157

176.4902,
175.1741, 275.5844

■ 4.7002, 4.0496,
13.6700

216.2912,
215.5074, 331.2605

■ 2.1054, 1.7013,
7.7554

261.6667,

■ 0.6921, 0.4245,

261.6003, 393.9717

3.8533

312.9821,
313.8372, 464.1364

■ 0.0000, 0.0000,
1.5452

■ 0.0000, 0.0000,
0.2513

■ 48.3154, 46.4469,
88.0800

■ 48.3154, 46.4469,
88.0800

■ 39.5141, 35.9427,
86.5172

■ 58.7710, 58.8569,
89.9251

■ 32.2779, 27.2446,
85.2197

■ 70.9548, 73.2548,
92.0620

■ 26.5160, 20.2523,
84.1737

■ 84.9418, 89.7246,
94.5038

■ 22.1268, 14.8532,
83.3629

■ 92.5801, 99.0121,
95.8939

■ 18.9953, 10.9214,
82.7690

■ 16.9878, 8.3117,
82.3711

■ 15.9295, 6.8435,
82.1435

■ 15.7938, 6.6594,
82.1151

Harmonies

Analogous

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



42.2943, 46.4469, 90.5077



48.3154, 46.4469, 88.0800



53.6390, 46.4469, 74.4856

Triad

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



48.3154, 46.4469, 88.0800



51.8540, 46.4469, 29.1590



33.7477, 46.4469, 45.3811

Complementary

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



48.3154, 46.4469, 88.0800



72.4667, 80.1757, 50.6874

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.



35.8455, 46.4469, 32.4188



48.3154, 46.4469, 88.0800



46.0518, 46.4469, 24.5477

Square

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



48.3154, 46.4469, 88.0800



55.8067, 46.4469, 39.8520



40.2244, 46.4469, 25.5885



34.2352, 46.4469, 63.0620

Rectangle

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



48.3154, 46.4469, 88.0800



55.9023, 46.4469, 62.3196



40.2244, 46.4469, 25.5885



34.1662, 46.4469, 40.4034

Sweetspot

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



48.3169, 46.4487, 88.0811



82.2098, 84.8756, 106.6575



62.6486, 76.4117, 88.8512



17.1119, 17.5954, 22.7443



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.



48.3169, 46.4487, 88.0811



49.5477, 46.1485, 100.9038



54.1311, 48.0066, 88.0753



14.9920, 15.4181, 19.9074



8.7629, 3.7501, 45.3899



0.7617, 0.3774, 3.7869

Inverse Universe

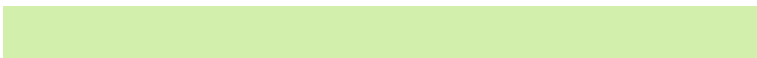
The Inverse Universe completely reimagines the original color for something new.



58.2863, 51.0317, 48.3749



63.0134, 52.4623, 47.2445



65.2019, 78.5738, 50.7611



15.8207, 15.7780, 16.6118



19.7487, 10.1719, 1.3275



1.6594, 0.8528, 0.1974

Previews

White Background



This preview shows how the XYZ color 48.3154, 46.4469, 88.0800 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 48.3154, 46.4469, 88.0800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

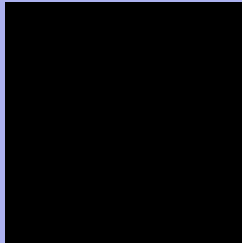
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3154, 46.4469, 88.0800

Background



This preview shows how black text looks on a background with the XYZ color 48.3154, 46.4469, 88.0800.



This preview shows how white text looks on a background with the XYZ color 48.3154, 46.4469,

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

48.3154, 46.4469, 88.0800

Protanopia

47.3071, 46.4836, 89.6980

Deuteranopia

47.6488, 46.3976, 88.1056



Tritanopia

42.7591, 46.2970, 60.7154

Trichromacy



Original Color

48.3154, 46.4469, 88.0800

Protanomaly

47.5849, 46.3475, 88.8761

Deuteranomaly

47.8626, 46.5078, 88.1156

Tritanomaly

44.5978, 46.1183, 70.1695

Monochromacy



Original Color

48.3154, 46.4469, 88.0800

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.8938, 46.9432, 63.1420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3154, 46.4469, 88.0800 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(172, 177, 239)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 177, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 177, 239) }
```

Border

The CSS property to change the border of an element to XYZ 48.3154, 46.4469, 88.0800 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(172, 177, 239) }
```


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

```
.border{ border-color:rgb(172, 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(172, 177, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 177, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 177, 239);  
box-shadow:4px 4px 4px 4px rgb(172, 177,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3154, 46.4469, 88.0800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 177, 239) }
```

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

```
.background{ background-color: rgb(172,  
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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