

Converting Colors

XYZ(48.3729, 46.9290, 81.0375)

Have a look what the booklet for
XYZ(48.3729, 46.9290, 81.0375)
contains.

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Color

**XYZ(48.3348, 46.9011,
81.3682)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B2E6
RGB	177, 178, 230
RGB Percent	69%, 70%, 90%
CMY	0.3059, 0.3019, 0.0980
CMYK	0.23, 0.23, 0.00, 0.10
HSL	239°, 51%, 80%
HSV	239°, 23%, 90%
XYZ	48.3348, 46.9011, 81.3682
YIQ	183.6290, -17.2880, 15.9600

Conversions

Conversions Part 2

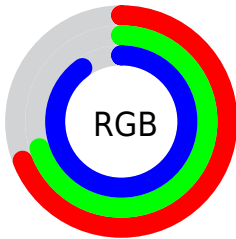
Format	Color
R_{YB}	177, 178, 230
Decimal	11645670
CIE _{Lab}	74.13, 10.62, -26.10
CIE _{LCh}	74, 28.181, 292.138
Yxy	46.9011, 0.2737, 0.2656
Android (android.graphics.Color)	4289835750 (0xFFB1B2E6)
YUV	183.6290, 22.8609, -5.8136
Hunter-Lab	68.4844, 6.1338, -22.5050

Details

The XYZ color **48.3348, 46.9011, 81.3682** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.5888, 76.0361, 52.6578**, and the grayscale version is **45.2415, 47.5976, 51.8338**.

A 20% lighter version of the original color is **81.0771, 83.3893, 106.4303**, and **23.1420, 21.9342, 43.0584** is the 20% darker color. If you saturate the color by 10%, you get **39.4044, 36.1723, 79.7688**, and if you desaturate by 10%, it is **58.8897, 59.5658, 83.2572**.

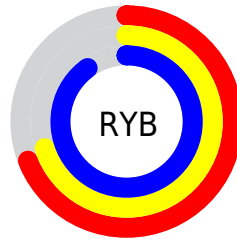
Distribution



Red (69%)

Green (70%)

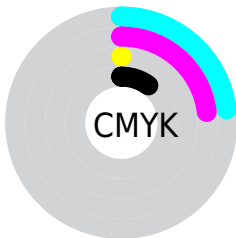
Blue (90%)



Red (69%)

Yellow (70%)

Blue (90%)

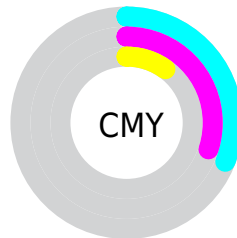


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3348, 46.9011, 81.3682 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 48.3348, 46.9011, 81.3682 by changing the saturation by 10% instead.

■ 48.3348, 46.9011,
81.3682

■ 48.3348, 46.9011,
81.3682

370.6782,
374.4196, 519.3597

■ 34.3045, 32.9575,
60.3121

■ 86.9094, 85.5660,
137.1164

■ 23.2916, 22.0939,
43.2433

112.1843,
111.0560, 172.6455

■ 14.9308, 13.9259,
29.7433

141.9381,
141.1637, 213.8361

■ 8.8569, 8.0691,
19.3934

176.5362,
176.2733, 261.1067

■ 4.7043, 4.1392,
11.7752

216.3439,
216.7693, 314.8759

■ 2.1078, 1.7517,
6.4701

261.7265,

■ 0.6934, 0.4568,

263.0361, 375.5620

3.0596

313.0495,
315.4581, 443.5838

■ 0.0000, 0.0000,
1.1252

■ 0.0000, 0.0000,
0.0000

■ 48.3348, 46.9011,
81.3682

■ 48.3348, 46.9011,
81.3682

■ 39.4044, 36.1723,
79.7688

■ 58.8897, 59.5658,
83.2572

■ 32.0136, 27.2789,
78.4417

■ 71.1392, 74.2492,
85.4458

■ 26.0768, 20.1198,
77.3728

■ 85.1550, 91.0362,
87.9473

■ 21.4981, 14.5817,
76.5452

■ 91.2831, 98.4932,
89.0636

■ 18.1702, 10.5382,
75.9401

■ 15.9696, 7.8442,
75.5361

■ 14.7477, 6.3253,
75.3073

■ 14.3302, 5.8076,
75.2294

Harmonies

Analogous

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



43.2642, 46.9011, 83.8306



48.3348, 46.9011, 81.3682



52.6842, 46.9011, 70.0885

Triad

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



48.3348, 46.9011, 81.3682



50.8014, 46.9011, 32.1229



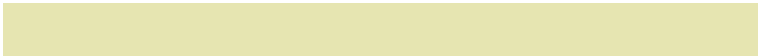
35.6420, 46.9011, 47.3604

Complementary

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



48.3348, 46.9011, 81.3682



68.5888, 76.0361, 52.6578

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.



37.3492, 46.9011, 35.8424



48.3348, 46.9011, 81.3682



45.9183, 46.9011, 28.1930

Square

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



48.3348, 46.9011, 81.3682



54.1816, 46.9011, 41.2965



41.0213, 46.9011, 29.4128



36.1822, 46.9011, 62.2693

Rectangle

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



48.3348, 46.9011, 81.3682



54.4640, 46.9011, 60.0721



41.0213, 46.9011, 29.4128



35.9672, 46.9011, 43.0106

Sweetspot

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



48.3363, 46.9030, 81.3693



83.4506, 86.1012, 106.8286



60.4653, 71.5561, 84.1944



17.6588, 18.1858, 22.8294



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.



48.3363, 46.9030, 81.3693



55.0597, 52.0375, 101.7500



54.2913, 49.6782, 81.5911



13.6046, 13.9305, 18.1162



8.1228, 3.3077, 42.5935



0.6080, 0.2599, 3.1501

Inverse Universe

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



56.3924, 51.4830, 49.0865



67.0491, 58.8756, 53.7009



61.4842, 72.7860, 52.4049



14.3880, 14.3724, 14.9776



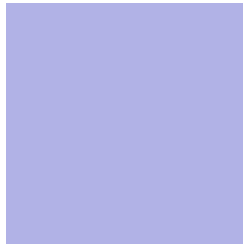
18.4935, 9.5316, 0.9619



1.3705, 0.7059, 0.0917

Previews

White Background



This preview shows how the XYZ color 48.3348, 46.9011, 81.3682 looks on a white background.

Color Contrast Check

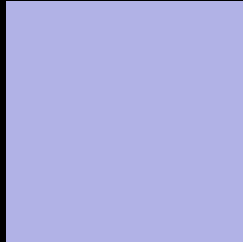
Large Text (above 18pt) WCAG AA × Fail

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 48.3348, 46.9011, 81.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

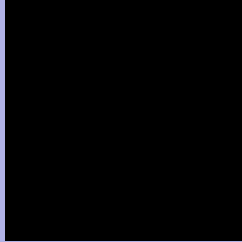
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3348, 46.9011, 81.3682

Background



This preview shows how black text looks on a background with the XYZ color 48.3348, 46.9011, 81.3682.



This preview shows how white text looks on a background with the XYZ color 48.3348, 46.9011,

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

48.3348, 46.9011, 81.3682

Protanopia

47.2489, 46.9037, 82.9070

Deuteranopia

48.0822, 47.0673, 81.4136



Tritanopia

44.1281, 47.0161, 60.1753

Trichromacy



Original Color

48.3348, 46.9011, 81.3682

Protanomaly

47.5572, 46.7804, 82.1243

Deuteranomaly

48.3075, 47.1835, 81.4242

Tritanomaly

45.5944, 46.9933, 67.6403

Monochromacy



Original Color

48.3348, 46.9011, 81.3682

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.3266, 47.4967, 61.9844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3348, 46.9011, 81.3682 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(177, 178, 230)` looks like.

```
.text, #text, p{  
    color:rgb(177, 178, 230)  
}
```

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(177, 178, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 178, 230) }
```

Border

The CSS property to change the border of an element to XYZ 48.3348, 46.9011, 81.3682 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(177, 178, 230) }
```


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

```
.border{ border-color:rgb(177, 178, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 178, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 178, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 178, 230);  
box-shadow:4px 4px 4px 4px rgb(177, 178,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3348, 46.9011, 81.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 178, 230) }
```

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

```
.background{ background-color: rgb(177,  
178, 230) }
```

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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