

Converting Colors

XYZ(48.9411, 48.1534, 84.1558)

Have a look what the booklet for
XYZ(48.9411, 48.1534, 84.1558)
contains.

XYZ(48.9111, 48.0449, 83.7865)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.9111, 48.0449,
83.7865)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB5E9
RGB	175, 181, 233
RGB Percent	69%, 71%, 91%
CMY	0.3137, 0.2902, 0.0863
CMYK	0.25, 0.22, 0.00, 0.09
HSL	234°, 57%, 80%
HSV	234°, 25%, 91%
XYZ	48.9111, 48.0449, 83.7865
YIQ	185.1340, -20.2680, 14.9000

Conversions

Conversions Part 2

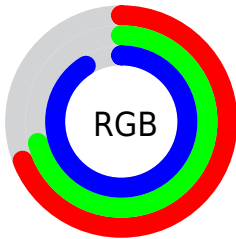
Format	Color
RYB	175, 180, 233
Decimal	11515369
CIELab	74.85, 9.07, -26.63
CIELCh	75, 28.132, 288.802
Yxy	48.0449, 0.2706, 0.2658
Android (android.graphics.Color)	4289705449 (0xFFAFB5E9)
YUV	185.1340, 23.5979, -8.8875
Hunter-Lab	69.3144, 4.6567, -23.1490

Details

The XYZ color **48.9111, 48.0449, 83.7865** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.8120, 75.3575, 51.4777**, and the grayscale version is **46.0708, 48.4701, 52.7839**.

A 20% lighter version of the original color is **81.2892, 84.7773, 106.6870**, and **23.5401, 22.6776, 44.7315** is the 20% darker color. If you saturate the color by 10%, you get **40.1921, 37.7113, 82.2523**, and if you desaturate by 10%, it is **59.1723, 60.1212, 85.5774**.

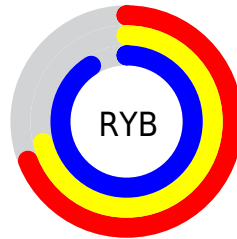
Distribution



Red (69%)

Green (71%)

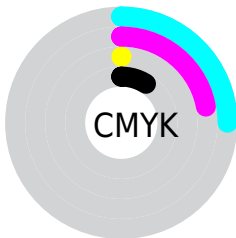
Blue (91%)



Red (69%)

Yellow (71%)

Blue (91%)

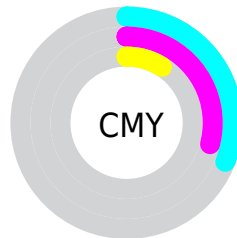


Cyan (25%)

Magenta (22%)

Yellow (0%)

Black (9%)



Cyan (31%)

Magenta (29%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9111, 48.0449, 83.7865 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 48.9111, 48.0449, 83.7865 by changing the saturation by 10% instead.

■ 48.9111, 48.0449,
83.7865

■ 48.9111, 48.0449,
83.7865

372.9150,
378.9701, 527.6435

■ 34.7632, 33.8624,
62.2948

■ 87.7609, 87.2713,
140.5355

■ 23.6462, 22.7879,
44.8336

113.1936,
113.0839, 176.6300

■ 15.1947, 14.4370,
30.9844

143.1185,
143.5422, 218.4291

■ 9.0433, 8.4252,
20.3286

177.9011,
179.0303, 266.3514

■ 4.8268, 4.3682,
12.4477

217.9067,
219.9328, 320.8155

■ 2.1797, 1.8816,
6.9231

263.5006,

■ 0.7320, 0.5373,

266.6340, 382.2398

3.3363

315.0483,
319.5183, 451.0430

■ 0.0000, 0.0000,
1.2688

■ 0.0000, 0.0000,
0.0360

■ 48.9111, 48.0449,
83.7865

■ 48.9111, 48.0449,
83.7865

■ 40.1921, 37.7113,
82.2523

■ 59.1723, 60.1212,
85.5774

■ 32.9362, 29.0342,
80.9598

■ 71.0406, 74.0095,
87.6326

■ 27.0639, 21.9287,
79.8979

■ 84.5827, 89.7825,
89.9634

■ 22.4867, 16.3003,
79.0527

■ 91.7081, 98.6633,
91.3020

■ 19.1054, 12.0438,
78.4093

■ 16.8063, 9.0403,
77.9508

■ 15.4529, 7.1497,
77.6572

■ 15.0370, 6.5409,
77.5616

Harmonies

Analogous

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



43.7806, 48.0449, 85.1178



48.9111, 48.0449, 83.7865



53.4777, 48.0449, 73.1595

Triad

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



48.9111, 48.0449, 83.7865



52.4589, 48.0449, 33.8421



36.6756, 48.0449, 47.0280

Complementary

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



48.9111, 48.0449, 83.7865



68.8120, 75.3575, 51.4777

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.



38.6533, 48.0449, 35.8579



48.9111, 48.0449, 83.7865



47.6032, 48.0449, 29.2493

Square

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



48.9111, 48.0449, 83.7865



55.6293, 48.0449, 43.7444



42.5662, 48.0449, 29.9109



36.9682, 48.0449, 61.9326

Rectangle

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



48.9111, 48.0449, 83.7865



55.4689, 48.0449, 63.1802



42.5662, 48.0449, 29.9109



37.0906, 48.0449, 42.7689

Sweetspot

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



48.9127, 48.0468, 83.7876



83.8907, 86.9815, 106.9753



60.5788, 72.8966, 82.9981



17.7603, 18.3888, 22.8633



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.



48.9127, 48.0468, 83.7876



54.1715, 52.0371, 101.7968



53.1264, 48.4466, 83.6427



14.3566, 14.7996, 19.0222



8.5740, 3.7950, 44.0236



0.7155, 0.3824, 3.4710

Inverse Universe

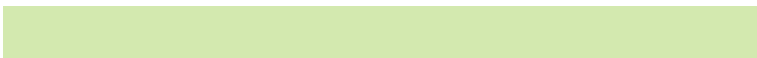
The Inverse Universe completely reimagines the original color for something new.



57.2761, 51.3213, 50.6053



66.1672, 56.8630, 54.1742



63.6751, 75.1884, 51.7158



15.1288, 15.0794, 15.9635



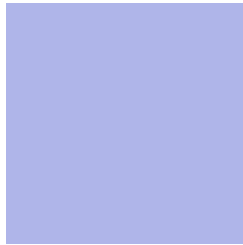
19.1830, 9.8759, 1.4993



1.5276, 0.7840, 0.2299

Previews

White Background



This preview shows how the XYZ color 48.9111, 48.0449, 83.7865 looks on a white background.

Color Contrast Check

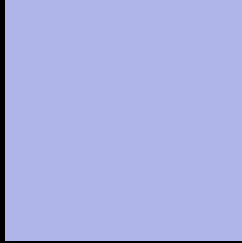
Large Text (above 18pt) WCAG AA × Fail

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 48.9111, 48.0449, 83.7865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

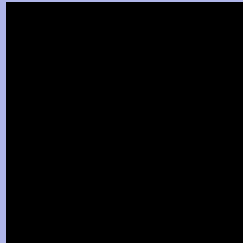
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9111, 48.0449, 83.7865

Background



This preview shows how black text looks on a background with the XYZ color 48.9111, 48.0449, 83.7865.



This preview shows how white text looks on a background with the XYZ color 48.9111, 48.0449,

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

48.9111, 48.0449, 83.7865

Protanopia

48.3738, 48.0543, 84.5677

Deuteranopia

49.1364, 48.1610, 83.7970



Tritanopia

44.7932, 48.2399, 62.8275

Trichromacy



Original Color

48.9111, 48.0449, 83.7865

Protanomaly

48.5925, 48.1671, 84.5780

Deuteranomaly

49.1364, 48.1610, 83.7970

Tritanomaly

46.1538, 48.1599, 69.8140

Monochromacy



Original Color

48.9111, 48.0449, 83.7865

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.8572, 48.3690, 62.7436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9111, 48.0449, 83.7865 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, 181, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 181, 233)  
}
```

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, 181, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 181, 233) }
```

Border

The CSS property to change the border of an element to XYZ 48.9111, 48.0449, 83.7865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

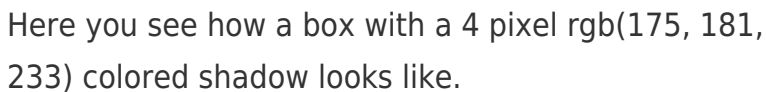
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 181, 233) }
```


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

```
.border{ border-color:rgb(175, 181, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 181, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 181, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 181, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 181,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9111, 48.0449, 83.7865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 181, 233) }
```

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

```
.background{ background-color: rgb(175,  
181, 233) }
```

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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