

Converting Colors

XYZ(48.1435, 45.9024, 67.9515)

Have a look what the booklet for
XYZ(48.1435, 45.9024, 67.9515)
contains.

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Color

**XYZ(48.1291, 45.9224,
67.9552)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAED3
RGB	190, 174, 211
RGB Percent	75%, 68%, 83%
CMY	0.2549, 0.3176, 0.1725
CMYK	0.10, 0.18, 0.00, 0.17
HSL	266°, 30%, 75%
HSV	266°, 18%, 83%
XYZ	48.1291, 45.9224, 67.9552
YIQ	183.0020, -2.3410, 14.8990

Conversions

Conversions Part 2

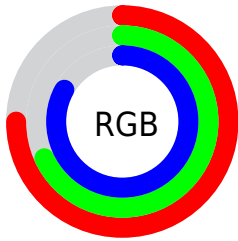
Format	Color
R_{YB}	190, 174, 211
Decimal	12496595
CIE _{Lab}	73.50, 12.77, -16.61
CIE _{LCh}	73, 20.958, 307.554
Yxy	45.9224, 0.2971, 0.2835
Android (android.graphics.Color)	4290686675 (0xFFBEAED3)
YUV	183.0020, 13.8030, 6.1372
Hunter-Lab	67.7661, 8.1844, -12.0192

Details

The XYZ color **48.1291, 45.9224, 67.9552** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.4415, 61.2478, 49.0519**, and the grayscale version is **44.9397, 47.2800, 51.4879**.

A 20% lighter version of the original color is **84.3529, 83.4065, 106.2609**, and **23.1136, 21.5536, 34.3945** is the 20% darker color. If you saturate the color by 10%, you get **41.4995, 36.9223, 66.5681**, and if you desaturate by 10%, it is **55.6477, 56.3337, 69.5692**.

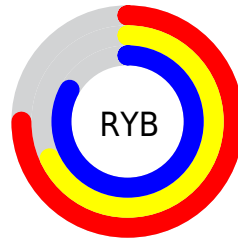
Distribution



Red (75%)

Green (68%)

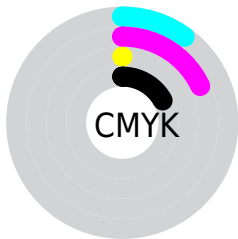
Blue (83%)



Red (75%)

Yellow (68%)

Blue (83%)

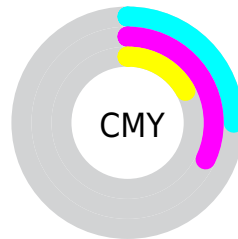


Cyan (10%)

Magenta (18%)

Yellow (0%)

Black (17%)



Cyan (25%)

Magenta (32%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1291, 45.9224, 67.9552 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 48.1291, 45.9224, 67.9552 by changing the saturation by 10% instead.

■ 48.1291, 45.9224,
67.9552

■ 48.1291, 45.9224,
67.9552

369.8777,
370.4966, 471.9310

■ 34.1408, 32.1846,
49.3948

■ 86.6051, 84.1029,
117.9417

■ 23.1652, 21.5025,
34.5650

111.8236,
109.3143, 150.2048

■ 14.8369, 13.4918,
23.0471

141.5161,
139.1190, 187.8727

■ 8.7906, 7.7681,
14.4227

176.0481,
173.9015, 231.3637

■ 4.6608, 3.9469,
8.2731

215.7849,
214.0461, 281.0966

■ 2.0824, 1.6439,
4.1799

261.0919,

■ 0.6796, 0.3869,

259.9372, 337.4897

1.7246

312.3343,
311.9593, 400.9617

■ 0.0000, 0.0000,
0.3775

■ 0.0000, 0.0000,
0.0000

■ 48.1291, 45.9224,
67.9552

■ 48.1291, 45.9224,
67.9552

■ 41.4995, 36.9223,
66.5681

■ 55.6477, 56.3337,
69.5692

■ 35.7188, 29.2649,
65.3948

■ 64.0846, 68.2091,
71.4167

■ 30.7504, 22.8847,
64.4252

■ 73.4728, 81.6057,
73.5077

■ 26.5527, 17.7082,
63.6472

■ 82.7468, 94.3843,
75.4855

■ 23.0800, 13.6539,
63.0477

■ 86.9007, 96.5257,
75.6799

■ 20.2814, 10.6302,
62.6116

■ 88.7580, 97.4832,
75.7668

■ 18.0979, 8.5299,
62.3213

■ 16.4501, 7.2059,
62.1525

■ 16.0958, 6.9394,
62.1198

Harmonies

Analogous

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



44.5898, 45.9224, 73.0402



48.1291, 45.9224, 67.9552



50.5586, 45.9224, 58.1909

Triad

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



48.1291, 45.9224, 67.9552



46.4208, 45.9224, 33.4362



36.9686, 45.9224, 52.7283

Complementary

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



48.1291, 45.9224, 67.9552



53.4415, 61.2478, 49.0519

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.



37.3975, 45.9224, 42.6192



48.1291, 45.9224, 67.9552



42.7193, 45.9224, 32.4020

Square

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



48.1291, 45.9224, 67.9552



49.5340, 45.9224, 38.5832



39.4538, 45.9224, 35.5265



38.2475, 45.9224, 63.4763

Rectangle

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



48.1291, 45.9224, 67.9552



51.1481, 45.9224, 50.8761



39.4538, 45.9224, 35.5265



36.9192, 45.9224, 49.1373

Sweetspot

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



48.1305, 45.9243, 67.9562



88.5040, 90.7864, 107.4666



48.8611, 52.9956, 69.2826



18.7529, 19.1649, 22.9608



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.



48.1305, 45.9243, 67.9562



69.9700, 65.1475, 103.4947



52.8842, 48.3750, 68.1787



11.6416, 11.6641, 14.8815



9.8264, 4.2460, 37.4941



0.6396, 0.2839, 2.1007

Inverse Universe

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



51.8519, 48.0631, 58.1761



76.7752, 69.0608, 85.5121



49.0863, 59.0026, 48.8481



12.0858, 11.9191, 13.7276



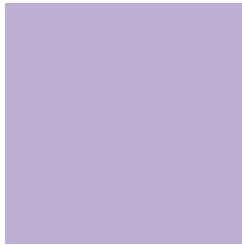
18.3020, 9.1936, 11.7624



1.0627, 0.5298, 0.8652

Previews

White Background



This preview shows how the XYZ color 48.1291, 45.9224, 67.9552 looks on a white background.

Color Contrast Check

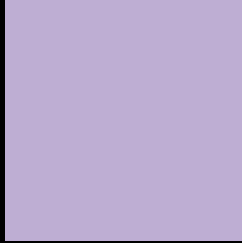
Large Text (above 18pt) WCAG AA × Fail

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 48.1291, 45.9224, 67.9552 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 48.1291, 45.9224, 67.9552

Background



This preview shows how black text looks on a background with the XYZ color 48.1291, 45.9224, 67.9552.



This preview shows how white text looks on a background with the XYZ color 48.1291, 45.9224,

67.9552.

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

48.1291, 45.9224, 67.9552

Protanopia

45.4913, 45.9795, 70.0956

Deuteranopia

47.0504, 45.9442, 68.0163



Tritanopia

45.6196, 45.7707, 55.7204

Trichromacy



Original Color

48.1291, 45.9224, 67.9552

Protanomaly

46.3228, 45.8321, 69.3558

Deuteranomaly

47.3375, 45.8022, 67.9738

Tritanomaly

46.4574, 45.8193, 59.8215

Monochromacy



Original Color

48.1291, 45.9224, 67.9552

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.1966, 46.9319, 57.0760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1291, 45.9224, 67.9552 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(190, 174, 211)` looks like.

```
.text, #text, p{  
    color:rgb(190, 174, 211)  
}
```

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(190, 174, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 174, 211) }
```

Border

The CSS property to change the border of an element to XYZ 48.1291, 45.9224, 67.9552 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(190, 174, 211) }
```


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

```
.border{ border-color:rgb(190, 174, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 174, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 174, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 174, 211);  
box-shadow:4px 4px 4px 4px rgb(190, 174,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1291, 45.9224, 67.9552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 174, 211) }
```

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

```
.background{ background-color: rgb(190,  
174, 211) }
```

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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