

Converting Colors

XYZ(46.9199, 47.9766, 12.0197)

Have a look what the booklet for
XYZ(46.9199, 47.9766, 12.0197)
contains.

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Color

**XYZ(46.9520, 48.0176,
12.1039)**

Conversions

Conversions Part 1

Format	Color
Hex	DDB343
RGB	221, 179, 67
RGB Percent	87%, 70%, 26%
CMY	0.1333, 0.2980, 0.7372
CMYK	0.00, 0.19, 0.70, 0.13
HSL	44°, 69%, 56%
HSV	44°, 70%, 87%
XYZ	46.9520, 48.0176, 12.1039
YIQ	178.7900, 60.9840, -25.9280

Conversions

Conversions Part 2

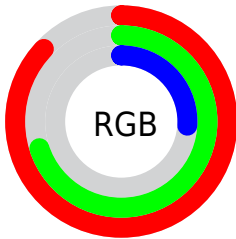
Format	Color
R _{YB}	125, 221, 67
Decimal	14529347
CIE Lab	74.84, 3.72, 60.45
CIE LCh	75, 60.563, 86.480
Yxy	48.0176, 0.4385, 0.4485
Android (android.graphics.Color)	4292719427 (0xFFDDB343)
YUV	178.7900, -55.1125, 37.0182
Hunter-Lab	69.2947, -0.3196, 38.1500

Details

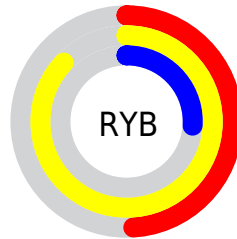
The XYZ color **46.9520, 48.0176, 12.1039** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **20.8344, 17.3505, 70.6570**, and the grayscale version is **42.9985, 45.2378, 49.2639**.

A 20% lighter version of the original color is **74.1140, 81.4861, 29.9113**, and **22.4897, 22.8601, 3.2271** is the 20% darker color. If you saturate the color by 10%, you get **45.2300, 45.4400, 8.8598**, and if you desaturate by 10%, it is **48.9819, 50.8066, 16.6990**.

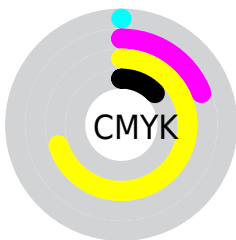
Distribution



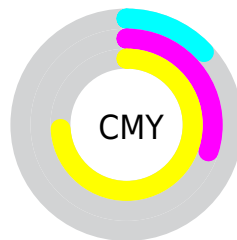
- Red (87%)
- Green (70%)
- Blue (26%)



- Red (49%)
- Yellow (87%)
- Blue (26%)



- Cyan (0%)
- Magenta (19%)
- Yellow (70%)
- Black (13%)





- Cyan (13%)
- Magenta (30%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9520, 48.0176, 12.1039 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 46.9520, 48.0176, 12.1039 by changing the saturation by 10% instead.


 46.9520, 48.0176,
12.1039


 46.9520, 48.0176,
12.1039


365.2750,
378.8619, 216.0942

 33.2055, 33.8408,
6.6911


 84.8611, 87.2306,
30.3514

 22.4439, 22.7713,
3.1942


 109.7545,
113.0356, 44.0232


 14.3019, 14.4248,
1.1946


 139.0942,
143.4855, 61.2850

 8.4140, 8.4167,
0.0000

 173.2456,
178.9647, 82.5555

 4.4150, 4.3627,
0.0000

 212.5740,
219.8575, 108.2531

 1.9395, 1.8785,
0.0000

257.4448,

 0.5996, 0.5354,

266.5484, 138.7964

0.0000

308.2233,
319.4217, 174.6039

■ 0.0000, 0.0000,
0.0000

■ 46.9520, 48.0176,
12.1039

■ 46.9520, 48.0176,
12.1039

■ 45.2300, 45.4400,
8.8598

■ 48.9819, 50.8066,
16.6990

■ 43.7814, 43.0534,
6.8029

■ 51.3427, 53.8115,
22.7784

■ 42.5545, 40.8377,
5.6598

■ 54.0589, 57.0452,
30.4620

■ 42.5171, 40.7691,
5.6283

■ 57.1513, 60.5169,
39.8570

■ 60.6391, 64.2353,
51.0611

■ 64.5400, 68.2085,
64.1647

■ 68.8706, 72.4440,
79.2521

■ 73.6465, 76.9491,
96.4024

■ 77.0767, 81.0082,
106.1815

Harmonies

Analogous

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



58.3621, 48.0176, 16.2667



46.9520, 48.0176, 12.1039



36.8324, 48.0176, 14.6160

Triad

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



46.9520, 48.0176, 12.1039



29.1861, 48.0176, 84.2587



65.6704, 48.0176, 93.4396

Complementary

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



46.9520, 48.0176, 12.1039



20.8344, 17.3505, 70.6570

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.



55.7487, 48.0176, 127.5335



46.9520, 48.0176, 12.1039



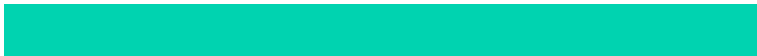
34.9145, 48.0176, 120.9036

Square

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



46.9520, 48.0176, 12.1039



27.5963, 48.0176, 48.6467



44.3513, 48.0176, 139.1950



70.2094, 48.0176, 56.0962

Rectangle

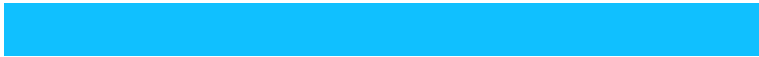
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.9520, 48.0176, 12.1039



31.9402, 48.0176, 20.6510



44.3513, 48.0176, 139.1950



62.7835, 48.0176, 106.1588

Sweetspot

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



46.9531, 48.0199, 12.1048



83.1128, 88.0527, 68.1516



34.6752, 20.5265, 17.0684



17.4951, 18.5361, 13.6318



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.



46.9531, 48.0199, 12.1048



61.5099, 61.1650, 10.6437



47.5184, 62.7627, 14.9207



13.8463, 14.6320, 13.8201



24.7978, 23.8811, 3.3025



1.6768, 1.6876, 0.2374

Inverse Universe

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



20.8344, 17.3505, 70.6570



23.4383, 16.6509, 96.5864



20.3549, 11.9656, 69.6429



12.6262, 13.1921, 16.5330



8.6095, 5.0885, 40.2668



0.6290, 0.4721, 2.6324

Previews

White Background



This preview shows how the XYZ color 46.9520, 48.0176, 12.1039 looks on a white background.

Color Contrast Check

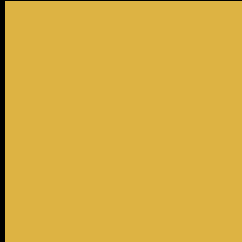
Large Text (above 18pt) WCAG AA × Fail

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 46.9520, 48.0176, 12.1039 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 46.9520, 48.0176, 12.1039

Background



This preview shows how black text looks on a background with the XYZ color 46.9520, 48.0176, 12.1039.



This preview shows how white text looks on a background with the XYZ color 46.9520, 48.0176,

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

46.9520, 48.0176, 12.1039

Protanopia

43.8767, 48.2494, 12.6307

Deuteranopia

49.0065, 47.9003, 12.1316



Tritanopia

54.6562, 47.9995, 50.1002

Trichromacy



Original Color

46.9520, 48.0176, 12.1039

Protanomaly

44.8408, 48.1332, 12.3961

Deuteranomaly

48.2473, 47.7989, 12.1520

Tritanomaly

50.8502, 47.5672, 31.3122

Monochromacy



Original Color

46.9520, 48.0176, 12.1039

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.9557, 45.5445, 30.5717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9520, 48.0176, 12.1039 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(221, 179, 67)` looks like.

```
.text, #text, p{  
    color:rgb(221, 179, 67)  
}
```

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(221, 179, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 179, 67) }
```

Border

The CSS property to change the border of an element to XYZ 46.9520, 48.0176, 12.1039 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(221, 179, 67) }
```


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

```
.border{ border-color:rgb(221, 179, 67) }
```

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

Here you see how a box with a 4 pixel rgb(221, 179, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 179, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 179, 67);  
box-shadow:4px 4px 4px 4px rgb(221, 179,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9520, 48.0176, 12.1039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 179, 67) }
```

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

```
.background{ background-color: rgb(221,  
179, 67) }
```

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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