

Converting Colors

XYZ(46.2829, 47.9719, 8.6117)

Have a look what the booklet for
XYZ(46.2829, 47.9719, 8.6117)
contains.

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Color

**XYZ(46.4899, 48.1546,
8.6782)**

Conversions

Conversions Part 1

Format	Color
Hex	DDB426
RGB	221, 180, 38
RGB Percent	87%, 71%, 15%
CMY	0.1333, 0.2941, 0.8510
CMYK	0.00, 0.19, 0.83, 0.13
HSL	47°, 73%, 51%
HSV	47°, 83%, 87%
XYZ	46.4899, 48.1546, 8.6782
YIQ	176.0710, 70.0180, -35.4700

Conversions

Conversions Part 2

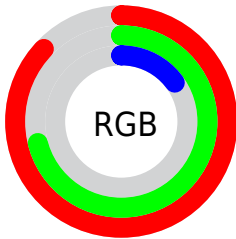
Format	Color
R _Y B	91, 221, 38
Decimal	14529574
CIE Lab	74.92, 2.05, 70.69
CIE LCh	75, 70.722, 88.343
Yxy	48.1546, 0.4499, 0.4661
Android (android.graphics.Color)	4292719654 (0xFFDDB426)
YUV	176.0710, -68.0690, 39.4027
Hunter-Lab	69.3935, -1.8533, 41.1608

Details

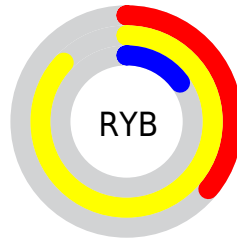
The XYZ color **46.4899, 48.1546, 8.6782** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **16.6466, 11.2245, 69.6953**, and the grayscale version is **41.6237, 43.7914, 47.6888**.

A 20% lighter version of the original color is **73.1060, 81.5397, 23.1949**, and **22.4171, 23.0154, 3.2609** is the 20% darker color. If you saturate the color by 10%, you get **45.2521, 46.0906, 6.9979**, and if you desaturate by 10%, it is **47.9769, 50.3792, 11.4852**.

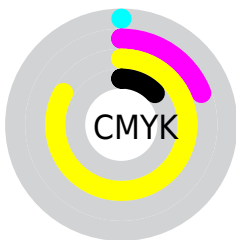
Distribution



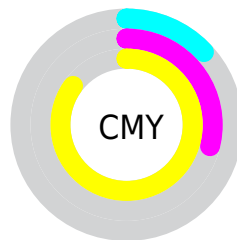
- Red (87%)
- Green (71%)
- Blue (15%)



- Red (36%)
- Yellow (87%)
- Blue (15%)



- Cyan (0%)
- Magenta (19%)
- Yellow (83%)
- Black (13%)





- Cyan (13%)
- Magenta (29%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4899, 48.1546, 8.6782 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 46.4899, 48.1546, 8.6782 by changing the saturation by 10% instead.


 46.4899, 48.1546,
8.6782


 46.4899, 48.1546,
8.6782


363.4577,
379.4046, 191.0876


 32.8388, 33.9493,
4.4380


 84.1751, 87.4345,
23.8454


 22.1617, 22.8547,
1.8685


 108.9399,
113.2780, 35.6094


 14.0930, 14.4862,
0.4726


 138.1401,
143.7697, 50.7185

 8.2675, 8.4596,
0.0000

 172.1409,
179.2939, 69.5910

 4.3198, 4.3904,
0.0000

 211.3077,
220.2351, 92.6457

 1.8846, 1.8943,
0.0000

 256.0058,

 0.5679, 0.5449,

266.9777, 120.3010

0.0000

306.6007,
319.9061, 152.9755

■ 0.0000, 0.0000,
0.0000

■ 46.4899, 48.1546,
8.6782

■ 46.4899, 48.1546,
8.6782

■ 45.2521, 46.0906,
6.9979

■ 47.9769, 50.3792,
11.4852

■ 44.4746, 44.6841,
6.2808

■ 49.7428, 52.7712,
15.5880

■ 51.8162, 55.3444,
21.1299

■ 54.2208, 58.1090,
28.2347

■ 56.9779, 61.0739,
37.0128

■ 60.1069, 64.2476,
47.5645

■ 63.6256, 67.6376,
59.9821

■ 67.5508, 71.2512,
74.3518

■ 71.8980, 75.0952,
90.7539

Harmonies

Analogous

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



60.0446, 48.1546, 12.2551



46.4899, 48.1546, 8.6782



34.9852, 48.1546, 11.4927

Triad

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



46.4899, 48.1546, 8.6782



27.2419, 48.1546, 93.8518



70.2663, 48.1546, 99.1907

Complementary

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



46.4899, 48.1546, 8.6782



16.6466, 11.2245, 69.6953

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.



58.5693, 48.1546, 142.9693



46.4899, 48.1546, 8.6782



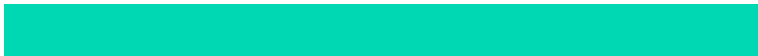
33.9577, 48.1546, 139.0007

Square

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



46.4899, 48.1546, 8.6782



25.2007, 48.1546, 50.4064



45.0566, 48.1546, 160.1610



75.2736, 48.1546, 54.5115

Rectangle

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



46.4899, 48.1546, 8.6782



29.6407, 48.1546, 17.9949



45.0566, 48.1546, 160.1610



66.8902, 48.1546, 115.1567

Sweetspot

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



46.4910, 48.1570, 8.6791



82.0437, 87.7770, 62.0531



31.9860, 17.3483, 9.3894



17.2294, 18.4533, 12.1601



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.



46.4910, 48.1570, 8.6791



61.5504, 61.8585, 8.7691



43.2637, 60.6459, 11.2599



13.9019, 14.7432, 13.8386



25.9243, 26.1341, 3.6780



1.7416, 1.8173, 0.2590

Inverse Universe

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



16.6466, 11.2245, 69.6953



19.6512, 10.3750, 95.5746



17.6566, 8.6239, 69.1401



12.5741, 13.0880, 16.5156



8.3020, 4.4735, 40.1643



0.6028, 0.4197, 2.6237

Previews

White Background



This preview shows how the XYZ color 46.4899, 48.1546, 8.6782 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 46.4899, 48.1546, 8.6782 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 46.4899, 48.1546, 8.6782

Background



This preview shows how black text looks on a background with the XYZ color 46.4899, 48.1546, 8.6782.



This preview shows how white text looks on a background with the XYZ color 46.4899, 48.1546,

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

46.4899, 48.1546, 8.6782

Protanopia

43.7276, 48.2543, 8.9288

Deuteranopia

49.0089, 47.9758, 8.7750



Tritanopia

54.9762, 48.1645, 50.1152

Trichromacy



Original Color

46.4899, 48.1546, 8.6782

Protanomaly

44.7403, 48.1596, 8.8571

Deuteranomaly

48.1001, 48.0915, 8.7549

Tritanomaly

50.3935, 47.4209, 27.2660

Monochromacy



Original Color

46.4899, 48.1546, 8.6782

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.2263, 44.1571, 26.0890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4899, 48.1546, 8.6782 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, 180, 38)` looks like.

```
.text, #text, p{  
    color:rgb(221, 180, 38)  
}
```

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, 180, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 180, 38) }
```

Border

The CSS property to change the border of an element to XYZ 46.4899, 48.1546, 8.6782 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, 180, 38) }
```


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

```
.border{ border-color:rgb(221, 180, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 180, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 180, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 180, 38);  
box-shadow:4px 4px 4px 4px rgb(221, 180,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4899, 48.1546, 8.6782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 180, 38) }
```

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

```
.background{ background-color: rgb(221,  
180, 38) }
```

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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