

Converting Colors

XYZ(46.1348, 49.1777, 7.8090)

Have a look what the booklet for
XYZ(46.1348, 49.1777, 7.8090)
contains.

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Color

**XYZ(46.1988, 49.2443,
7.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	DAB816
RGB	218, 184, 22
RGB Percent	85%, 72%, 9%
CMY	0.1451, 0.2784, 0.9137
CMYK	0.00, 0.16, 0.90, 0.15
HSL	50°, 82%, 47%
HSV	50°, 90%, 85%
XYZ	46.1988, 49.2443, 7.8292
YIQ	175.6980, 72.2660, -43.1740

Conversions

Conversions Part 2

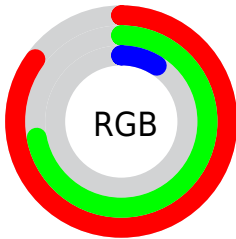
Format	Color
R _Y B	63, 218, 22
Decimal	14333974
CIE Lab	75.60, -1.71, 74.77
CIE LCh	76, 74.789, 91.312
Yxy	49.2443, 0.4473, 0.4768
Android (android.graphics.Color)	4292524054 (0xFFDAB816)
YUV	175.6980, -75.7731, 37.0989
Hunter-Lab	70.1743, -5.2906, 42.5071

Details

The XYZ color **46.1988, 49.2443, 7.8292** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **14.4003, 8.0614, 67.1264**, and the grayscale version is **41.4670, 43.6265, 47.5092**.

A 20% lighter version of the original color is **74.2033, 84.3014, 21.8121**, and **22.2169, 23.5017, 3.3653** is the 20% darker color. If you saturate the color by 10%, you get **45.2811, 47.6391, 6.8148**, and if you desaturate by 10%, it is **47.3021, 50.9612, 9.7077**.

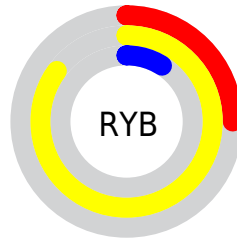
Distribution



Red (85%)

Green (72%)

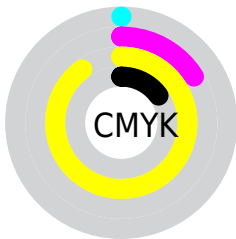
Blue (9%)



Red (25%)

Yellow (85%)

Blue (9%)

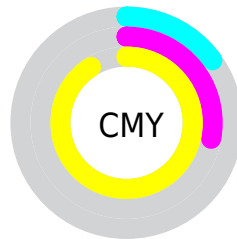


Cyan (0%)

Magenta (16%)

Yellow (90%)

Black (15%)



Cyan (15%)


Magenta (28%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1988, 49.2443, 7.8292 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 46.1988, 49.2443, 7.8292 by changing the saturation by 10% instead.


 46.1988, 49.2443,
7.8292


 46.1988, 49.2443,
7.8292


362.3099,
383.7033, 184.2704


 32.6080, 34.8133,
3.8996


 83.7425, 89.0542,
22.1635

 21.9841, 23.5191,
1.5705


 108.4261,
115.2019, 33.4054

 13.9618, 14.9773,
0.2696


 137.5380,
146.0239, 47.9218

 8.1756, 8.8034,
0.0000

 171.4436,
181.9047, 66.1312

 4.2603, 4.6132,
0.0000

 210.5082,
223.2286, 88.4523

 1.8504, 2.0222,
0.0000

 255.0973,

 0.5478, 0.6203,

270.3801, 115.3035

0.0000

305.5760,
323.7435, 147.1033

■ 0.0000, 0.0000,
0.0000

■ 46.1988, 49.2443,
7.8292

■ 46.1988, 49.2443,
7.8292

■ 45.2811, 47.6391,
6.8148

■ 47.3021, 50.9612,
9.7077

■ 45.2725, 47.6238,
6.8062

■ 48.6402, 52.8040,
12.7229

■ 50.2439, 54.7871,
17.0319

■ 52.1384, 56.9209,
22.7664

■ 54.3458, 59.2144,
30.0417

■ 56.8859, 61.6759,
38.9615

■ 59.7767, 64.3127,
49.6202

■ 63.0351, 67.1319,
62.1053

■ 66.6765, 70.1399,
76.4983

Harmonies

Analogous

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



60.7689, 49.2443, 10.7118



46.1988, 49.2443, 7.8292



34.2988, 49.2443, 11.3191

Triad

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



46.1988, 49.2443, 7.8292



27.5610, 49.2443, 103.7467



74.2292, 49.2443, 99.1257

Complementary

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



46.1988, 49.2443, 7.8292



14.4003, 8.0614, 67.1264

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.



62.0331, 49.2443, 148.5748



46.1988, 49.2443, 7.8292



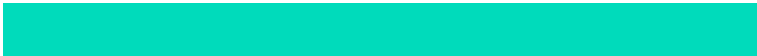
35.1634, 49.2443, 152.0427

Square

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



46.1988, 49.2443, 7.8292



24.9326, 49.2443, 55.3820



47.4169, 49.2443, 171.5113



78.7484, 49.2443, 51.8932

Rectangle

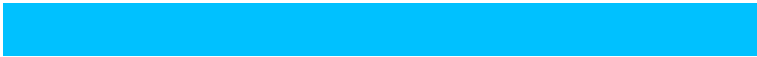
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1988, 49.2443, 7.8292



28.9628, 49.2443, 18.7083



47.4169, 49.2443, 171.5113



70.7867, 49.2443, 116.7160

Sweetspot

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



46.1999, 49.2467, 7.8302



82.1869, 88.9475, 59.3749



29.9627, 15.7845, 5.4628



17.3026, 18.7687, 11.6635



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.



46.1999, 49.2467, 7.8302



64.4774, 67.7347, 9.6758



38.9142, 57.2621, 9.7613



13.9601, 14.8595, 13.8580



27.1934, 28.6723, 4.1011



1.8134, 1.9608, 0.2829

Inverse Universe

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



14.4003, 8.0614, 67.1264



18.9592, 9.0385, 95.3531



16.6047, 7.5244, 66.9065



12.5204, 12.9805, 16.4977



8.0478, 3.9650, 40.0796



0.5776, 0.3693, 2.6153

Previews

White Background



This preview shows how the XYZ color 46.1988, 49.2443, 7.8292 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 46.1988, 49.2443, 7.8292 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 46.1988, 49.2443, 7.8292

Background



This preview shows how black text looks on a background with the XYZ color 46.1988, 49.2443, 7.8292.



This preview shows how white text looks on a background with the XYZ color 46.1988, 49.2443,

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

46.1988, 49.2443, 7.8292

Protanopia

44.5033, 49.3041, 7.9817

Deuteranopia

50.2049, 49.1952, 8.0119



Tritanopia

55.2095, 49.0805, 51.9110

Trichromacy



Original Color

46.1988, 49.2443, 7.8292

Protanomaly

45.1541, 49.3258, 7.9516

Deuteranomaly

48.8208, 49.3751, 7.9345

Tritanomaly

49.9675, 48.3786, 26.1065

Monochromacy



Original Color

46.1988, 49.2443, 7.8292

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.9961, 44.6726, 24.2313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1988, 49.2443, 7.8292 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(218, 184, 22)` looks like.

```
.text, #text, p{  
    color:rgb(218, 184, 22)  
}
```

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(218, 184, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 184, 22) }
```

Border

The CSS property to change the border of an element to XYZ 46.1988, 49.2443, 7.8292 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(218, 184, 22) }
```


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

```
.border{ border-color:rgb(218, 184, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 184, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 184, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 184, 22);  
box-shadow:4px 4px 4px 4px rgb(218, 184,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1988, 49.2443, 7.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 184, 22) }
```

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

```
.background{ background-color: rgb(218,  
184, 22) }
```

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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