

Converting Colors

XYZ(45.3563, 47.8375, 17.8804)

Have a look what the booklet for
XYZ(45.3563, 47.8375, 17.8804)
contains.

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Color

**XYZ(45.4176, 48.0021,
17.9379)**

Conversions

Conversions Part 1

Format	Color
Hex	D2B660
RGB	210, 182, 96
RGB Percent	82%, 71%, 38%
CMY	0.1765, 0.2863, 0.6235
CMYK	0.00, 0.13, 0.54, 0.18
HSL	45°, 56%, 60%
HSV	45°, 54%, 82%
XYZ	45.4176, 48.0021, 17.9379
YIQ	180.5680, 44.2940, -20.8100

Conversions

Conversions Part 2

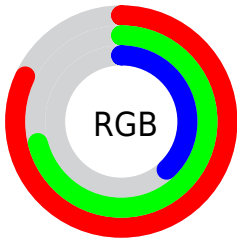
Format	Color
RYB	133, 210, 96
Decimal	13809248
CIELab	74.83, -0.59, 46.96
CIELCh	75, 46.961, 90.723
Yxy	48.0021, 0.4079, 0.4311
Android (android.graphics.Color)	4291999328 (0xFFD2B660)
YUV	180.5680, -41.6920, 25.8119
Hunter-Lab	69.2835, -4.2337, 33.1480

Details

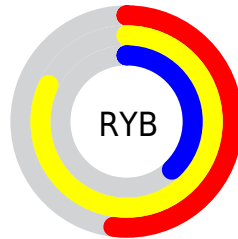
The XYZ color **45.4176, 48.0021, 17.9379** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.6641, 21.5544, 63.8856**, and the grayscale version is **43.8899, 46.1756, 50.2852**.

A 20% lighter version of the original color is **77.2394, 84.5790, 40.6882**, and **21.4608, 22.6623, 5.7258** is the 20% darker color. If you saturate the color by 10%, you get **43.5406, 45.5942, 13.1628**, and if you desaturate by 10%, it is **47.5941, 50.5956, 24.0878**.

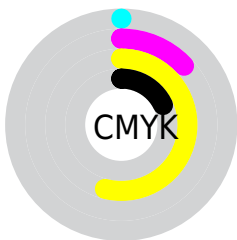
Distribution



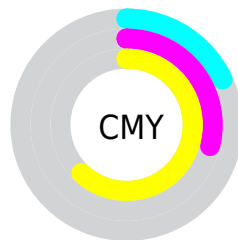
- Red (82%)
- Green (71%)
- Blue (38%)



- Red (52%)
- Yellow (82%)
- Blue (38%)



- Cyan (0%)
- Magenta (13%)
- Yellow (54%)
- Black (18%)



- Cyan (18%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4176, 48.0021, 17.9379 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 45.4176, 48.0021, 17.9379 by changing the saturation by 10% instead.

45.4176, 48.0021,
17.9379

45.4176, 48.0021,
17.9379

359.2175,
378.8005, 252.7451

31.9892, 33.8285,
10.7364

82.5799, 87.2075,
40.7440

21.5087, 22.7619,
5.7780

107.0445,
113.0082, 57.1857

13.6109, 14.4178,
2.6439

135.9185,
143.4534, 77.5446

7.9305, 8.4118,
0.9150

169.5673,
178.9274, 102.2391

4.1019, 4.3596,
0.0000

208.3563,
219.8148, 131.6879

1.7600, 1.8767,
0.0000

252.6507,

0.4934, 0.5343,

266.4998, 166.3095

0.0000

302.8160,
319.3669, 206.5224

■ 0.0000, 0.0000,
0.0000

■ 45.4176, 48.0021,
17.9379

■ 45.4176, 48.0021,
17.9379

■ 43.5406, 45.5942,
13.1628

■ 47.5941, 50.5956,
24.0878

■ 41.9381, 43.3559,
9.6485

■ 50.0857, 53.3763,
31.7085

■ 40.5864, 41.2788,
7.2675

■ 52.9110, 56.3540,
40.8906

■ 39.4556, 39.3503,
5.8637

■ 56.0861, 59.5358,
51.7167

■ 38.8787, 38.3025,
5.3440

■ 59.6258, 62.9282,
64.2634

■ 63.5442, 66.5374,
78.6026

■ 67.8545, 70.3694,
94.8020

■ 71.0856, 73.8363,
105.1130

■ 72.4866, 76.6384,
105.5800

Harmonies

Analogous

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



54.1339, 48.0021, 21.0440



45.4176, 48.0021, 17.9379



37.7400, 48.0021, 21.3694

Triad

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



45.4176, 48.0021, 17.9379



32.9158, 48.0021, 80.1576



61.4967, 48.0021, 78.7981

Complementary

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



45.4176, 48.0021, 17.9379



23.6641, 21.5544, 63.8856

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.



54.5373, 48.0021, 104.0040



45.4176, 48.0021, 17.9379



38.0572, 48.0021, 104.9459

Square

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



45.4176, 48.0021, 17.9379



31.0977, 48.0021, 52.8620



45.8321, 48.0021, 114.7921



64.0897, 48.0021, 51.6748

Rectangle

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



45.4176, 48.0021, 17.9379



34.0586, 48.0021, 27.7921



45.8321, 48.0021, 114.7921



59.5508, 48.0021, 88.0429

Sweetspot

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



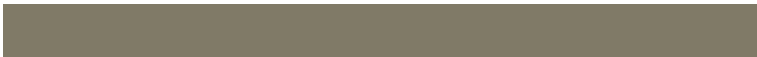
45.4187, 48.0044, 17.9389



86.0498, 91.4185, 76.8626



34.4312, 23.5357, 21.9637



18.1936, 19.3444, 15.6794



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.



45.4187, 48.0044, 17.9389



67.1756, 70.2293, 19.5214



44.3315, 56.8218, 19.6981



12.5473, 13.2853, 12.5150



23.7981, 23.5291, 3.2873



1.3908, 1.4359, 0.2039

Inverse Universe

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



23.6641, 21.5544, 63.8856



30.1702, 25.3089, 97.9027



24.2008, 17.3419, 63.0442



11.3961, 11.8825, 14.9366



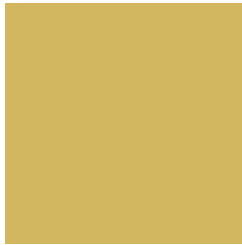
7.9002, 4.4471, 37.6345



0.5055, 0.3762, 2.1255

Previews

White Background



This preview shows how the XYZ color 45.4176, 48.0021, 17.9379 looks on a white background.

Color Contrast Check

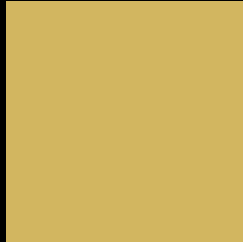
Large Text (above 18pt) WCAG AA × Fail

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 45.4176, 48.0021, 17.9379 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 45.4176, 48.0021, 17.9379

Background



This preview shows how black text looks on a background with the XYZ color 45.4176, 48.0021, 17.9379.

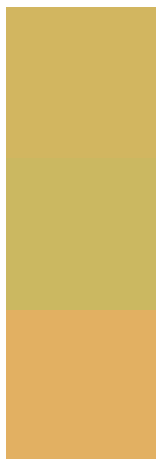


This preview shows how white text looks on a background with the XYZ color 45.4176, 48.0021,

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

45.4176, 48.0021, 17.9379

Protanopia

43.9268, 47.8406, 18.2282

Deuteranopia

49.0940, 48.1013, 18.2522



Tritanopia

52.4229, 47.9133, 52.3841

Trichromacy



Original Color

45.4176, 48.0021, 17.9379

Protanomaly

44.5448, 47.8519, 18.1978

Deuteranomaly

47.5933, 47.9195, 18.0502

Tritanomaly

49.2994, 47.7976, 36.7645

Monochromacy



Original Color

45.4176, 48.0021, 17.9379

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.7671, 46.4562, 35.5143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4176, 48.0021, 17.9379 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(210, 182, 96)` looks like.

```
.text, #text, p{  
    color:rgb(210, 182, 96)  
}
```

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(210, 182, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 182, 96) }
```

Border

The CSS property to change the border of an element to XYZ 45.4176, 48.0021, 17.9379 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(210, 182, 96) }
```


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

```
.border{ border-color:rgb(210, 182, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 182, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 182, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 182, 96);  
box-shadow:4px 4px 4px 4px rgb(210, 182,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4176, 48.0021, 17.9379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 182, 96) }
```

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

```
.background{ background-color: rgb(210,  
182, 96) }
```

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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