

Converting Colors

XYZ(44.5983, 45.6988, 17.0879)

Have a look what the booklet for
XYZ(44.5983, 45.6988, 17.0879)
contains.

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Color

**XYZ(44.6971, 45.8559,
17.0850)**

Conversions

Conversions Part 1

Format	Color
Hex	D4B05E
RGB	212, 176, 94
RGB Percent	83%, 69%, 37%
CMY	0.1686, 0.3098, 0.6314
CMYK	0.00, 0.17, 0.56, 0.17
HSL	42°, 58%, 60%
HSV	42°, 56%, 83%
XYZ	44.6971, 45.8559, 17.0850
YIQ	177.4160, 47.7780, -17.8700

Conversions

Conversions Part 2

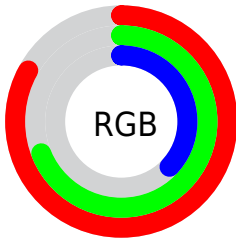
Format	Color
RYB	146, 212, 94
Decimal	13938782
CIELab	73.45, 3.25, 46.35
CIELCh	73, 46.468, 85.986
Yxy	45.8559, 0.4153, 0.4260
Android (android.graphics.Color)	4292128862 (0xFFD4B05E)
YUV	177.4160, -41.1241, 30.3302
Hunter-Lab	67.7170, -0.6845, 32.4430

Details

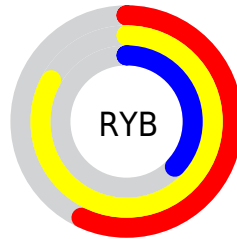
The XYZ color **44.6971, 45.8559, 17.0850** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.4821, 23.0975, 65.4550**, and the grayscale version is **42.2020, 44.3998, 48.3513**.

A 20% lighter version of the original color is **75.0042, 80.4872, 38.7766**, and **21.1798, 21.5657, 5.4292** is the 20% darker color. If you saturate the color by 10%, you get **42.6357, 43.0523, 12.3318**, and if you desaturate by 10%, it is **47.0823, 48.8892, 23.2359**.

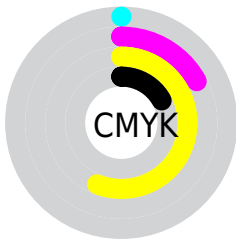
Distribution



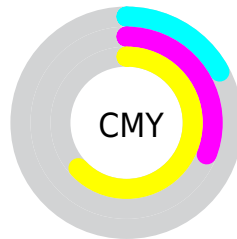
- Red (83%)
- Green (69%)
- Blue (37%)



- Red (57%)
- Yellow (83%)
- Blue (37%)



- Cyan (0%)
- Magenta (17%)
- Yellow (56%)
- Black (17%)



- Cyan (17%)
- Magenta (31%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6971, 45.8559, 17.0850 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 44.6971, 45.8559, 17.0850 by changing the saturation by 10% instead.

■ 44.6971, 45.8559,
17.0850

■ 44.6971, 45.8559,
17.0850

356.3498,
370.2290, 247.7222

■ 31.4192, 32.1321,
10.1325

■ 81.5056, 84.0033,
39.2645

■ 21.0716, 21.4624,
5.3802

■ 105.7668,
109.1957, 55.3286

■ 13.2891, 13.4624,
2.4094

■ 134.4199,
138.9798, 75.2670

■ 7.7063, 7.7478,
0.7915

■ 167.8301,
173.7399, 99.4982

■ 3.9578, 3.9340,
0.0000

206.3628,
213.8605, 128.4408

■ 1.6783, 1.6367,
0.0000

250.3835,

■ 0.4426, 0.3822,

259.7260, 162.5133

0.0000

300.2573,
311.7207, 202.1343

■ 0.0000, 0.0000,
0.0000

■ 44.6971, 45.8559,
17.0850

■ 44.6971, 45.8559,
17.0850

■ 42.6357, 43.0523,
12.3318

■ 47.0823, 48.8892,
23.2359

■ 40.8722, 40.4613,
8.8577

■ 49.8084, 52.1551,
30.8845

■ 39.3810, 38.0734,
6.5287

■ 52.8949, 55.6644,
40.1250

■ 38.1301, 35.8740,
5.1790

■ 56.3587, 59.4252,
51.0429

■ 37.6365, 34.9676,
4.7658

■ 60.2157, 63.4449,
63.7174

■ 64.4806, 67.7307,
78.2228

■ 69.1675, 72.2895,
94.6292

■ 72.8733, 76.5610,
105.5447

■ 74.6831, 80.1807,
106.1479

Harmonies

Analogous

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



53.0074, 45.8559, 21.0856



44.6971, 45.8559, 17.0850



37.0384, 45.8559, 19.3568

Triad

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



44.6971, 45.8559, 17.0850



30.8987, 45.8559, 72.4283



57.9949, 45.8559, 79.6691

Complementary

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



44.6971, 45.8559, 17.0850



24.4821, 23.0975, 65.4550

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.



50.8601, 45.8559, 102.4760



44.6971, 45.8559, 17.0850



35.3505, 45.8559, 97.4580

Square

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



44.6971, 45.8559, 17.0850



29.6792, 45.8559, 46.8362



42.4908, 45.8559, 109.8353



61.2698, 45.8559, 53.1556

Rectangle

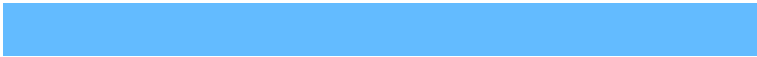
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.6971, 45.8559, 17.0850



33.2057, 45.8559, 24.6779



42.4908, 45.8559, 109.8353



55.9281, 45.8559, 88.3104

Sweetspot

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



44.6982, 45.8581, 17.0859



84.7652, 89.3671, 74.8381



35.2759, 23.6515, 24.3098



17.9084, 18.8759, 15.2699



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.



44.6982, 45.8581, 17.0859



64.1746, 64.5595, 17.4972



46.8908, 58.8894, 19.4856



13.1383, 13.8508, 13.1417



23.3271, 21.7715, 2.9728



1.4785, 1.4562, 0.2031

Inverse Universe

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



24.4821, 23.0975, 65.4550



30.5613, 26.7951, 98.1690



23.0406, 16.4474, 64.2473



12.0485, 12.6203, 15.7385



8.5696, 5.4009, 39.0440



0.5893, 0.4706, 2.3791

Previews

White Background



This preview shows how the XYZ color 44.6971, 45.8559, 17.0850 looks on a white background.

Color Contrast Check

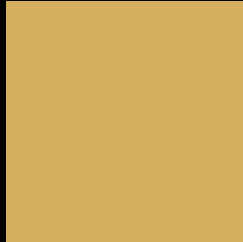
Large Text (above 18pt) WCAG AA × Fail

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 44.6971, 45.8559, 17.0850 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 44.6971, 45.8559, 17.0850

Background



This preview shows how black text looks on a background with the XYZ color 44.6971, 45.8559, 17.0850.



This preview shows how white text looks on a background with the XYZ color 44.6971, 45.8559,

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

44.6971, 45.8559, 17.0850

Protanopia

42.1884, 46.0344, 17.7283

Deuteranopia

46.6369, 45.7034, 17.1901



Tritanopia

50.9863, 45.5872, 48.7598

Trichromacy



Original Color

44.6971, 45.8559, 17.0850

Protanomaly

43.0875, 45.9038, 17.4158

Deuteranomaly

45.9226, 45.6188, 17.2114

Tritanomaly

48.0389, 45.4865, 34.2648

Monochromacy



Original Color

44.6971, 45.8559, 17.0850

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.2238, 44.4980, 33.9673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6971, 45.8559, 17.0850 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(212, 176, 94)` looks like.

```
.text, #text, p{  
    color:rgb(212, 176, 94)  
}
```

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(212, 176, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 176, 94) }
```

Border

The CSS property to change the border of an element to XYZ 44.6971, 45.8559, 17.0850 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(212, 176, 94) }
```


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

```
.border{ border-color:rgb(212, 176, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 176, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 176, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 176, 94);  
box-shadow:4px 4px 4px 4px rgb(212, 176,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6971, 45.8559, 17.0850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 176, 94) }
```

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

```
.background{ background-color: rgb(212,  
176, 94) }
```

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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