

Converting Colors

XYZ(47.1759, 46.9494, 12.3701)

Have a look what the booklet for
XYZ(47.1759, 46.9494, 12.3701)
contains.

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Color

**XYZ(47.1759, 46.9494,
12.3701)**

Conversions

Conversions Part 1

Format	Color
Hex	E0AF46
RGB	224, 175, 70
RGB Percent	88%, 69%, 27%
CMY	0.1216, 0.3137, 0.7255
CMYK	0.00, 0.22, 0.69, 0.12
HSL	41°, 71%, 58%
HSV	41°, 69%, 88%
XYZ	47.1759, 46.9494, 12.3701
YIQ	177.6810, 62.9090, -22.2670

Conversions

Conversions Part 2

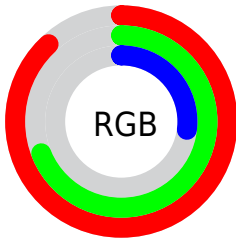
Format	Color
RYB	142, 224, 70
Decimal	14724934
CIELab	74.16, 7.27, 58.58
CIELCh	74, 59.028, 82.925
Yxy	46.9494, 0.4430, 0.4409
Android (android.graphics.Color)	4292915014 (0xFFE0AF46)
YUV	177.6810, -53.0867, 40.6218
Hunter-Lab	68.5196, 2.9882, 37.2599

Details

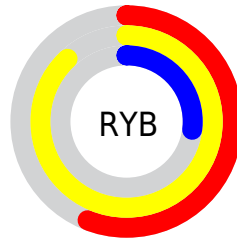
The XYZ color **47.1759, 46.9494, 12.3701** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.5769, 19.8769, 73.1672**, and the grayscale version is **42.3977, 44.6057, 48.5756**.

A 20% lighter version of the original color is **73.1120, 79.2837, 30.1888**, and **22.6438, 22.1828, 3.3180** is the 20% darker color. If you saturate the color by 10%, you get **45.2460, 44.0181, 8.8652**, and if you desaturate by 10%, it is **49.4448, 50.1371, 17.2893**.

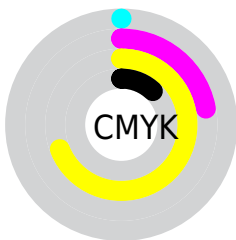
Distribution



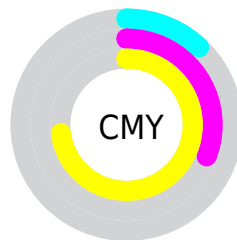
- Red (88%)
- Green (69%)
- Blue (27%)



- Red (56%)
- Yellow (88%)
- Blue (27%)



- Cyan (0%)
- Magenta (22%)
- Yellow (69%)
- Black (12%)





- Cyan (12%)
- Magenta (31%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1759, 46.9494, 12.3701 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 47.1759, 46.9494, 12.3701 by changing the saturation by 10% instead.


 47.1759, 46.9494,
12.3701


 47.1759, 46.9494,
12.3701


366.1534,
374.6125, 217.9044

 33.3833, 32.9957,
6.8707


 85.1933, 85.6381,
30.8418


 22.5808, 22.1231,
3.3041


 110.1487,
111.1418, 44.6512


 14.4033, 13.9474,
1.2519


 139.5558,
141.2643, 62.0676

 8.4853, 8.0841,
0.0219

 173.7799,
176.3900, 83.5096

 4.4614, 4.1488,
0.0000

 213.1864,
216.9033, 109.3958

 1.9663, 1.7571,
0.0000

258.1405,

 0.6149, 0.4602,

263.1886, 140.1446

0.0000

309.0077,
315.6302, 176.1746

■ 0.0000, 0.0000,
0.0000

■ 47.1759, 46.9494,
12.3701

■ 47.1759, 46.9494,
12.3701

■ 45.2460, 44.0181,
8.8652

■ 49.4448, 50.1371,
17.2893

■ 43.6197, 41.3218,
6.6082

■ 52.0768, 53.5872,
23.7590

■ 42.2497, 38.8415,
5.3509

■ 55.0972, 57.3131,
31.9020

■ 42.0881, 38.5429,
5.2212

■ 58.5278, 61.3254,
41.8282

■ 62.3886, 65.6337,
53.6380

■ 66.6982, 70.2471,
67.4242

■ 71.4740, 75.1740,
83.2735

■ 76.7324, 80.4226,
101.2674

■ 79.6990, 84.8846,
106.7915

Harmonies

Analogous

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



58.0399, 46.9494, 17.3117



47.1759, 46.9494, 12.3701



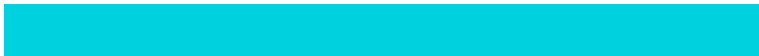
37.1627, 46.9494, 14.0552

Triad

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



47.1759, 46.9494, 12.3701



28.3934, 46.9494, 77.3250



62.8933, 46.9494, 94.8798

Complementary

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



47.1759, 46.9494, 12.3701



22.5769, 19.8769, 73.1672

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.



53.0226, 46.9494, 125.7035



47.1759, 46.9494, 12.3701



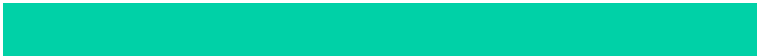
33.4533, 46.9494, 113.0825

Square

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



47.1759, 46.9494, 12.3701



27.3333, 46.9494, 44.2768



42.1658, 46.9494, 133.4282



67.9984, 46.9494, 58.6341

Rectangle

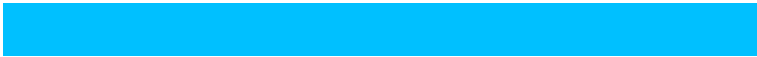
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.1759, 46.9494, 12.3701



32.1586, 46.9494, 19.2347



42.1658, 46.9494, 133.4282



59.9545, 46.9494, 106.7207

Sweetspot

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



47.1770, 46.9517, 12.3710



82.3995, 86.6259, 67.9138



36.4024, 21.6167, 20.4510



17.3244, 18.1946, 13.5748



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.



47.1770, 46.9517, 12.3710



59.8161, 57.6264, 10.5448



51.1377, 65.8043, 15.8012



14.4848, 15.2557, 14.4880



24.6063, 22.6505, 3.0751



1.7851, 1.7291, 0.2397

Inverse Universe

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



22.5769, 19.8769, 73.1672



25.0133, 19.4808, 97.0496



20.4340, 12.2314, 71.8044



13.3062, 13.9515, 17.3793



9.2446, 5.9588, 41.7113



0.7196, 0.5706, 2.9175

Previews

White Background



This preview shows how the XYZ color 47.1759, 46.9494, 12.3701 looks on a white background.

Color Contrast Check

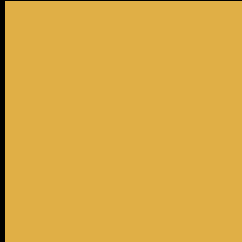
Large Text (above 18pt) WCAG AA × Fail

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 47.1759, 46.9494, 12.3701 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 47.1759, 46.9494, 12.3701

Background



This preview shows how black text looks on a background with the XYZ color 47.1759, 46.9494, 12.3701.



This preview shows how white text looks on a background with the XYZ color 47.1759, 46.9494,

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

47.1759, 46.9494, 12.3701

Protanopia

43.0050, 47.1722, 12.9694

Deuteranopia

47.9201, 47.0452, 12.3493



Tritanopia

54.4900, 46.8810, 47.7720

Trichromacy



Original Color

47.1759, 46.9494, 12.3701

Protanomaly

44.3226, 46.9463, 12.6867

Deuteranomaly

47.6056, 46.8831, 12.3346

Tritanomaly

50.9032, 46.4983, 30.3369

Monochromacy



Original Color

47.1759, 46.9494, 12.3701

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.8880, 44.9105, 30.8342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1759, 46.9494, 12.3701 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(224, 175, 70)` looks like.

```
.text, #text, p{  
    color:rgb(224, 175, 70)  
}
```

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(224, 175, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 175, 70) }
```

Border

The CSS property to change the border of an element to XYZ 47.1759, 46.9494, 12.3701 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(224, 175, 70) }
```


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

```
.border{ border-color:rgb(224, 175, 70) }
```

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

Here you see how a box with a 4 pixel rgb(224, 175, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 175, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 175, 70);  
box-shadow:4px 4px 4px 4px rgb(224, 175,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1759, 46.9494, 12.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 175, 70) }
```

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

```
.background{ background-color: rgb(224,  
175, 70) }
```

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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