

Converting Colors

XYZ(46.5128, 42.6934, 16.6934)

Have a look what the booklet for
XYZ(46.5128, 42.6934, 16.6934)
contains.

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Color

**XYZ(46.4890, 42.6469,
16.6079)**

Conversions

Conversions Part 1

Format	Color
Hex	E3A15F
RGB	227, 161, 95
RGB Percent	89%, 63%, 37%
CMY	0.1098, 0.3686, 0.6274
CMYK	0.00, 0.29, 0.58, 0.11
HSL	30°, 70%, 63%
HSV	30°, 58%, 89%
XYZ	46.4890, 42.6469, 16.6079
YIQ	173.2100, 60.5220, -6.5340

Conversions

Conversions Part 2

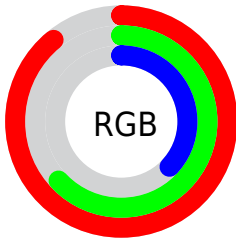
Format	Color
R_{YB}	227, 227, 95
Decimal	14917983
CIE _{Lab}	71.31, 17.59, 43.68
CIE _{LCh}	71, 47.092, 68.063
Yxy	42.6469, 0.4396, 0.4033
Android (android.graphics.Color)	4293108063 (0xFFE3A15F)
YUV	173.2100, -38.5575, 47.1738
Hunter-Lab	65.3046, 12.7874, 30.6349

Details

The XYZ color **46.4890, 42.6469, 16.6079** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **31.3286, 33.4671, 77.4813**, and the grayscale version is **39.9977, 42.0807, 45.8259**.

A 20% lighter version of the original color is **71.0623, 72.4783, 37.8481**, and **22.1102, 19.4594, 5.1755** is the 20% darker color. If you saturate the color by 10%, you get **43.7097, 38.5061, 11.3113**, and if you desaturate by 10%, it is **49.7510, 47.2722, 23.5491**.

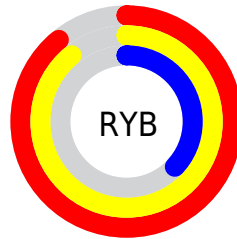
Distribution



Red (89%)

Green (63%)

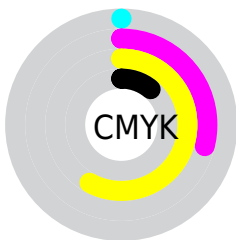
Blue (37%)



Red (89%)

Yellow (89%)

Blue (37%)

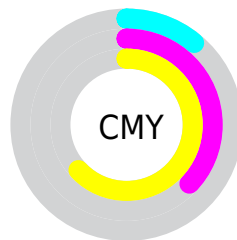


Cyan (0%)

Magenta (29%)

Yellow (58%)

Black (11%)



Cyan (11%)


Magenta (37%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4890, 42.6469, 16.6079 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 46.4890, 42.6469, 16.6079 by changing the saturation by 10% instead.


 46.4890, 42.6469,
16.6079

 46.4890, 42.6469,
16.6079


363.4542,
357.1576, 244.8696

 32.8381, 29.6082,
9.7963


 84.1737, 79.1777,
38.4317


 22.1611, 19.5414,
5.1603


 108.9383,
103.4386, 54.2811

 14.0926, 12.0621,
2.2812


 138.1382,
132.2091, 73.9802

 8.2672, 6.7860,
0.7207

 172.1387,
165.8734, 97.9474

 4.3197, 3.3286,
0.0000

211.3052,
204.8160, 126.6015

 1.8845, 1.3056,
0.0000

256.0030,

 0.5678, 0.1455,

249.4213, 160.3608

0.0000

306.5976,
300.0737, 199.6440

■ 0.0000, 0.0000,
0.0000

■ 46.4890, 42.6469,
16.6079

■ 46.4890, 42.6469,
16.6079

■ 43.7097, 38.5061,
11.3113

■ 49.7510, 47.2722,
23.5491

■ 41.3783, 34.8232,
7.5135

■ 53.5208, 52.3944,
32.2588

■ 39.4592, 31.5777,
5.0464

■ 57.8254, 58.0329,
42.8519

■ 37.9020, 28.7411,
3.6706

■ 62.6886, 64.2042,
55.4325

■ 37.6405, 28.2550,
3.4699

■ 68.1324, 70.9236,
70.0973

■ 74.1778, 78.2059,
86.9364

■ 80.8446, 86.0654,
106.0346

■ 84.4755, 93.0451,
108.1149

■ 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



53.7336, 42.6469, 24.4171



46.4890, 42.6469, 16.6079



38.4377, 42.6469, 15.2726

Triad

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



46.4890, 42.6469, 16.6079



27.2585, 42.6469, 52.8194



50.6579, 42.6469, 89.8892

Complementary

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



46.4890, 42.6469, 16.6079



31.3286, 33.4671, 77.4813

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.



42.7064, 42.6469, 104.3250



46.4890, 42.6469, 16.6079



29.6960, 42.6469, 78.8162

Square

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



46.4890, 42.6469, 16.6079



27.9952, 42.6469, 31.9836



35.1117, 42.6469, 99.7209



56.3504, 42.6469, 64.6920

Rectangle

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



46.4890, 42.6469, 16.6079



33.7895, 42.6469, 17.6194



35.1117, 42.6469, 99.7209



48.1224, 42.6469, 96.4808

Sweetspot

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



46.4900, 42.6490, 16.6087



82.3111, 84.4589, 74.0201



42.2039, 27.0888, 36.7228



17.3277, 17.7146, 15.0764



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.



46.4900, 42.6490, 16.6087



56.1541, 48.9732, 13.4221



61.2130, 72.0950, 21.5164



14.9694, 15.5528, 15.1175



22.0689, 16.7119, 2.0626



1.7237, 1.4207, 0.1834

Inverse Universe

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



31.3286, 33.4671, 77.4813



34.6598, 35.9560, 99.7212



22.6770, 16.1638, 74.5974



14.1752, 15.0718, 18.3064



11.6788, 10.4197, 43.7788



0.9559, 0.9558, 3.2661

Previews

White Background



This preview shows how the XYZ color 46.4890, 42.6469, 16.6079 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 46.4890, 42.6469, 16.6079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

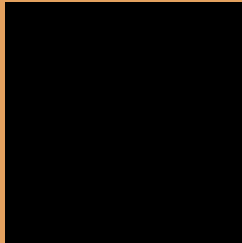
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4890, 42.6469, 16.6079

Background



This preview shows how black text looks on a background with the XYZ color 46.4890, 42.6469, 16.6079.



This preview shows how white text looks on a background with the XYZ color 46.4890, 42.6469,

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

46.4890, 42.6469, 16.6079

Protanopia

39.3685, 42.7865, 18.2403

Deuteranopia

43.5707, 42.7417, 16.5432



Tritanopia

51.3708, 42.6186, 40.6406

Trichromacy



Original Color

46.4890, 42.6469, 16.6079

Protanomaly

41.7562, 42.6104, 17.5791

Deuteranomaly

44.6889, 42.7785, 16.4914

Tritanomaly

49.1818, 42.4640, 30.0303

Monochromacy



Original Color

46.4890, 42.6469, 16.6079

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.2911, 41.7577, 32.6718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4890, 42.6469, 16.6079 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(227, 161, 95)` looks like.

```
.text, #text, p{  
    color:rgb(227, 161, 95)  
}
```

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(227, 161, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 161, 95) }
```

Border

The CSS property to change the border of an element to XYZ 46.4890, 42.6469, 16.6079 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(227, 161, 95) }
```


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

```
.border{ border-color:rgb(227, 161, 95) }
```

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

Here you see how a box with a 4 pixel rgb(227, 161, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 161, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 161, 95);  
box-shadow:4px 4px 4px 4px rgb(227, 161,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4890, 42.6469, 16.6079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 161, 95) }
```

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

```
.background{ background-color: rgb(227,  
161, 95) }
```

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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