

Converting Colors

XYZ(46.5825, 41.7961, 12.0558)

Have a look what the booklet for
XYZ(46.5825, 41.7961, 12.0558)
contains.

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Color

**XYZ(46.5717, 41.7642,
12.0853)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E89D4A |
| RGB | 232, 157, 74 |
| RGB Percent | 91%, 62%, 29% |
| CMY | 0.0902, 0.3843, 0.7098 |
| CMYK | 0.00, 0.32, 0.68, 0.09 |
| HSL | 32°, 77%, 60% |
| HSV | 32°, 68%, 91% |
| XYZ | 46.5717, 41.7642, 12.0853 |
| YIQ | 169.9630, 71.3430, -9.9130 |

Conversions

Conversions Part 2

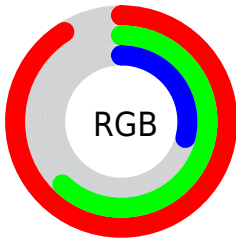
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 217, 232, 74 |
| Decimal | 15244618 |
| CIE Lab | 70.71, 20.44, 53.38 |
| CIE LCh | 71, 57.161, 69.046 |
| Yxy | 41.7642, 0.4638, 0.4159 |
| Android (android.graphics.Color) | 4293434698 (0xFFE89D4A) |
| YUV | 169.9630, -47.3098, 54.4064 |
| Hunter-Lab | 64.6252, 15.5406, 34.1501 |

Details

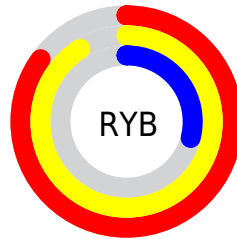
The XYZ color **46.5717, 41.7642, 12.0853** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **28.1363, 28.7755, 80.4146**, and the grayscale version is **38.3946, 40.3941, 43.9892**.

A 20% lighter version of the original color is **68.5494, 69.8533, 29.6088**, and **22.3026, 19.1329, 3.2270** is the 20% darker color. If you saturate the color by 10%, you get **44.1497, 37.9491, 8.1072**, and if you desaturate by 10%, it is **49.4516, 46.0346, 17.6380**.

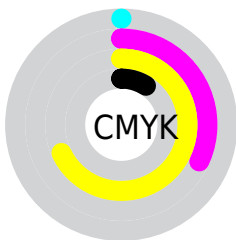
Distribution



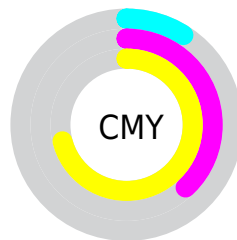
- Red (91%)
- Green (62%)
- Blue (29%)



- Red (85%)
- Yellow (91%)
- Blue (29%)



- Cyan (0%)
- Magenta (32%)
- Yellow (68%)
- Black (9%)



- Cyan (9%)
- Magenta (38%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5717, 41.7642, 12.0853 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 46.5717, 41.7642, 12.0853 by changing the saturation by 10% instead.

46.5717, 41.7642,
12.0853

46.5717, 41.7642,
12.0853

363.7799,
353.5045, 215.9671

32.9037, 28.9167,
6.6786

84.2966, 77.8426,
30.3171

22.2116, 19.0178,
3.1865

109.0842,
101.8423, 43.9792

14.1299, 11.6832,
1.1906

138.3091,
130.3283, 61.2302

8.2934, 6.5283,
0.0000

172.3366,
163.6848, 82.4886

4.3366, 3.1689,
0.0000

211.5321,
202.2962, 108.1729

1.8943, 1.2205,
0.0000

256.2609,

0.5735, 0.0784,

246.5471, 138.7018

0.0000

306.8883,
296.8217, 174.4937

■ 0.0000, 0.0000,
0.0000

■ 46.5717, 41.7642,
12.0853

■ 46.5717, 41.7642,
12.0853

■ 44.1497, 37.9491,
8.1072

■ 49.4516, 46.0346,
17.6380

■ 42.1449, 34.5609,
5.5235

■ 52.8192, 50.7738,
24.9141

■ 40.5066, 31.5734,
4.0858


■ 56.7047, 56.0022,
34.0474


■ 40.2234, 31.0457,
3.8724


■ 61.1344, 61.7367,
45.1577

■ 66.1328, 67.9932,
58.3549

 71.7227, 74.7867,
73.7405

 77.9254, 82.1315,
91.4094

 84.0114, 89.7415,
107.5017

 87.0884, 95.8957,
108.5274

Harmonies

Analogous

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



55.5875, 41.7642, 19.8941



46.5717, 41.7642, 12.0853



36.9002, 41.7642, 10.9642

Triad

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



46.5717, 41.7642, 12.0853



24.2888, 41.7642, 54.1785



52.3100, 41.7642, 99.2052

Complementary

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



46.5717, 41.7642, 12.0853



28.1363, 28.7755, 80.4146

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.



42.6288, 41.7642, 118.8864



46.5717, 41.7642, 12.0853



27.1641, 41.7642, 86.8832

Square

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



46.5717, 41.7642, 12.0853



25.0004, 41.7642, 29.2547



33.5320, 41.7642, 113.6501



59.2495, 41.7642, 66.7947

Rectangle

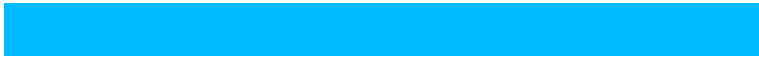
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.5717, 41.7642, 12.0853



31.4931, 41.7642, 13.4174



33.5320, 41.7642, 113.6501



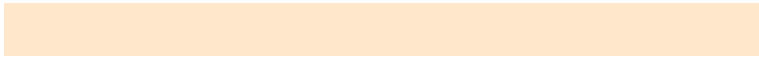
49.2114, 41.7642, 108.0165

Sweetspot

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



46.5727, 41.7663, 12.0861



80.6571, 82.6557, 68.8298



41.2621, 24.2675, 31.5190



16.8825, 17.2166, 13.7182



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.



46.5727, 41.7663, 12.0861



53.5780, 45.1500, 8.4654



62.5225, 74.9255, 17.6458



15.0005, 15.6148, 15.1278



22.4578, 17.4898, 2.1922



1.7524, 1.4782, 0.1930

Inverse Universe

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



28.1363, 28.7755, 80.4146



29.3203, 28.0948, 98.4852



20.0456, 12.2867, 77.6584



14.1442, 15.0099, 18.2960



11.3130, 9.6882, 43.6569



0.9285, 0.9009, 3.2569

Previews

White Background



This preview shows how the XYZ color 46.5717, 41.7642, 12.0853 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 46.5717, 41.7642, 12.0853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

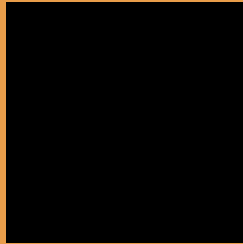
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5717, 41.7642, 12.0853

Background



This preview shows how black text looks on a background with the XYZ color 46.5717, 41.7642, 12.0853.



This preview shows how white text looks on a background with the XYZ color 46.5717, 41.7642,

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

46.5717, 41.7642, 12.0853

Protanopia

38.2856, 42.0431, 13.4944

Deuteranopia

42.6492, 41.8252, 11.9561



Tritanopia

52.1078, 41.8602, 38.1343

Trichromacy



Original Color

46.5717, 41.7642, 12.0853

Protanomaly

41.0743, 41.8065, 12.9258

Deuteranomaly

43.9417, 41.6939, 12.0351

Tritanomaly

49.5550, 41.5246, 25.8253

Monochromacy



Original Color

46.5717, 41.7642, 12.0853

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

39.8206, 39.9970, 28.5431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5717, 41.7642, 12.0853 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(232, 157, 74)` looks like.

```
.text, #text, p{  
    color:rgb(232, 157, 74)  
}
```

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(232, 157, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 157, 74) }
```

Border

The CSS property to change the border of an element to XYZ 46.5717, 41.7642, 12.0853 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(232, 157, 74) }
```


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

```
.border{ border-color:rgb(232, 157, 74) }
```

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

Here you see how a box with a 4 pixel rgb(232, 157, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 157, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 157, 74);  
box-shadow:4px 4px 4px 4px rgb(232, 157,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5717, 41.7642, 12.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 157, 74) }
```

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

```
.background{ background-color: rgb(232,  
157, 74) }
```

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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