

Converting Colors

XYZ(48.4522, 45.3593, 13.1445)

Have a look what the booklet for
XYZ(48.4522, 45.3593, 13.1445)
contains.

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Color

**XYZ(48.4370, 45.3291,
13.2177)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E8A74D |
| RGB | 232, 167, 77 |
| RGB Percent | 91%, 65%, 30% |
| CMY | 0.0902, 0.3451, 0.6980 |
| CMYK | 0.00, 0.28, 0.67, 0.09 |
| HSL | 35°, 77%, 61% |
| HSV | 35°, 67%, 91% |
| XYZ | 48.4370, 45.3291, 13.2177 |
| YIQ | 176.1750, 67.6300, -14.2100 |

Conversions

Conversions Part 2

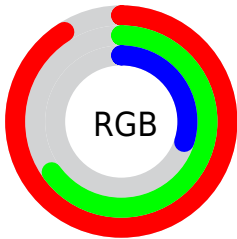
| Format | Color |
|-------------------------------------|--|
| RYB | 189, 232, 77 |
| Decimal | 15247181 |
| CIELab | 73.11, 15.29, 54.61 |
| CIElCh | 73, 56.706, 74.357 |
| Yxy | 45.3291, 0.4528, 0.4237 |
| Android (android.graphics.Color) | 4293437261 (0xFFE8A74D) |
| YUV | 176.1750, -48.8933, 48.9585 |
| Hunter-Lab | 67.3269, 10.5962, 35.4889 |

Details

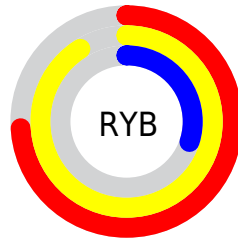
The XYZ color **48.4370, 45.3291, 13.2177** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.2986, 26.7488, 80.0677**, and the grayscale version is **41.5818, 43.7473, 47.6408**.

A 20% lighter version of the original color is **71.3237, 75.0875, 31.5031**, and **23.2986, 21.0940, 3.6542** is the 20% darker color. If you saturate the color by 10%, you get **46.0438, 41.6284, 9.0741**, and if you desaturate by 10%, it is **51.2583, 49.4193, 18.9454**.

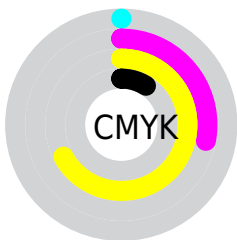
Distribution



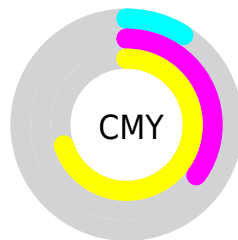
- Red (91%)
- Green (65%)
- Blue (30%)



- Red (74%)
- Yellow (91%)
- Blue (30%)



- Cyan (0%)
- Magenta (28%)
- Yellow (67%)
- Black (9%)





- Cyan (9%)
- Magenta (35%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4370, 45.3291, 13.2177 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 48.4370, 45.3291, 13.2177 by changing the saturation by 10% instead.


 48.4370, 45.3291,
13.2177


 48.4370, 45.3291,
13.2177


371.0755,
368.1048, 223.5648


 34.3858, 31.7167,
7.4461

 87.0605, 83.2140,
32.3912

 23.3544, 21.1452,
3.6600


 112.3634,
108.2554, 46.6303


 14.9776, 13.2302,
1.4407


 142.1476,
137.8752, 64.5290

 8.8898, 7.5873,
0.1732

 176.7785,
172.4579, 86.5057

 4.7259, 3.8320,
0.0000

 216.6214,
212.3877, 112.9791

 2.1205, 1.5800,
0.0000

262.0416,

 0.7003, 0.3441,

258.0493, 144.3678

0.0000

313.4045,
309.8268, 181.0901

■ 0.0000, 0.0000,
0.0000

■ 48.4370, 45.3291,
13.2177

■ 48.4370, 45.3291,
13.2177

■ 46.0438, 41.6284,
9.0741

■ 51.2583, 49.4193,
18.9454

■ 44.0401, 38.2915,
6.3389

■ 54.5355, 53.9090,
26.4025


■ 42.3820, 35.2978,
4.7920


■ 58.2968, 58.8159,
35.7206

■ 41.9031, 34.4050,
4.4323


■ 62.5674, 64.1542,
47.0177

■ 67.3700, 69.9372,
60.4020

 72.7262, 76.1777,
75.9737

 78.6560, 82.8875,
93.8266

 83.9300, 89.5787,
107.4746

 86.9483, 95.6152,
108.4807

Harmonies

Analogous

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



58.2189, 45.3291, 20.1590



48.4370, 45.3291, 13.2177



38.5233, 45.3291, 13.0862

Triad

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



48.4370, 45.3291, 13.2177



27.1154, 45.3291, 64.1852



57.8495, 45.3291, 99.6504

Complementary

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



48.4370, 45.3291, 13.2177



27.2986, 26.7488, 80.0677

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.



47.9911, 45.3291, 123.4878



48.4370, 45.3291, 13.2177



30.8295, 45.3291, 98.2712

Square

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



48.4370, 45.3291, 13.2177



27.1969, 45.3291, 36.0374



38.1406, 45.3291, 122.9036



64.1960, 45.3291, 65.6073

Rectangle

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



48.4370, 45.3291, 13.2177



33.1871, 45.3291, 16.5900



38.1406, 45.3291, 122.9036



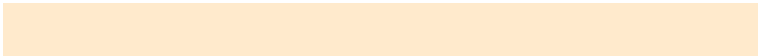
54.7754, 45.3291, 109.6157

Sweetspot

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



48.4381, 45.3314, 13.2186



81.4523, 84.2461, 69.0949



40.9795, 24.4826, 29.0187



17.0731, 17.5978, 13.7817



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.



48.4381, 45.3314, 13.2186



56.1111, 50.0461, 9.8344



60.2181, 73.7257, 18.0783



15.0687, 15.7513, 15.1505



23.3904, 19.3549, 2.5031



1.8198, 1.6130, 0.2154

Inverse Universe

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



27.2986, 26.7488, 80.0677



28.2958, 25.6849, 98.0741



21.1814, 13.1768, 77.7704



14.0770, 14.8753, 18.2736



10.5920, 8.2461, 43.4166



0.8728, 0.7896, 3.2384

Previews

White Background



This preview shows how the XYZ color 48.4370, 45.3291, 13.2177 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 48.4370, 45.3291, 13.2177 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 48.4370, 45.3291, 13.2177

Background



This preview shows how black text looks on a background with the XYZ color 48.4370, 45.3291, 13.2177.



This preview shows how white text looks on a background with the XYZ color 48.4370, 45.3291,

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

48.4370, 45.3291, 13.2177

Protanopia

41.6259, 45.5160, 14.3761

Deuteranopia

46.2988, 45.3356, 13.1479



Tritanopia

54.4783, 45.1557, 43.3807

Trichromacy



Original Color

48.4370, 45.3291, 13.2177

Protanomaly

43.9293, 45.2362, 14.0055

Deuteranomaly

47.0433, 45.4400, 13.1288

Tritanomaly

51.7809, 45.1002, 29.2686

Monochromacy



Original Color

48.4370, 45.3291, 13.2177

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.4421, 43.5164, 30.9735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4370, 45.3291, 13.2177 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, 167, 77)` looks like.

```
.text, #text, p{  
    color:rgb(232, 167, 77)  
}
```

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, 167, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 167, 77) }
```

Border

The CSS property to change the border of an element to XYZ 48.4370, 45.3291, 13.2177 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, 167, 77) }
```


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

```
.border{ border-color:rgb(232, 167, 77) }
```

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

Here you see how a box with a 4 pixel rgb(232, 167, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 167, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 167, 77);  
box-shadow:4px 4px 4px 4px rgb(232, 167,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4370, 45.3291, 13.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 167, 77) }
```

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

```
.background{ background-color: rgb(232,  
167, 77) }
```

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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