

Converting Colors

XYZ(48.5267, 47.0532, 13.1811)

Have a look what the booklet for
XYZ(48.5267, 47.0532, 13.1811)
contains.

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Color

**XYZ(48.5267, 47.0532,
13.1811)**

Conversions

Conversions Part 1

Format	Color
Hex	E5AD4B
RGB	229, 173, 75
RGB Percent	90%, 68%, 29%
CMY	0.1020, 0.3215, 0.7059
CMYK	0.00, 0.24, 0.67, 0.10
HSL	38°, 75%, 60%
HSV	38°, 67%, 90%
XYZ	48.5267, 47.0532, 13.1811
YIQ	178.5720, 64.8340, -18.6060

Conversions

Conversions Part 2

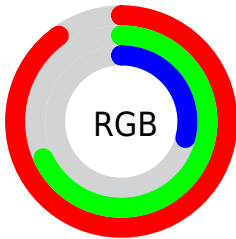
Format	Color
RYB	163, 229, 75
Decimal	15052107
CIELab	74.22, 10.73, 56.62
CIELCh	74, 57.628, 79.272
Yxy	47.0532, 0.4462, 0.4326
Android (android.graphics.Color)	4293242187 (0xFFE5AD4B)
YUV	178.5720, -51.0610, 44.2254
Hunter-Lab	68.5953, 6.2352, 36.6237

Details

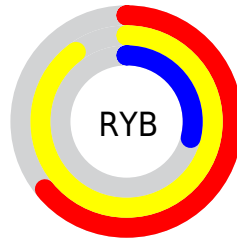
The XYZ color **48.5267, 47.0532, 13.1811** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.1604, 23.3845, 77.3159**, and the grayscale version is **42.8599, 45.0919, 49.1051**.

A 20% lighter version of the original color is **72.8797, 78.3053, 31.6953**, and **23.5325, 22.2678, 3.6739** is the 20% darker color. If you saturate the color by 10%, you get **46.3325, 43.7017, 9.2542**, and if you desaturate by 10%, it is **51.1045, 50.7211, 18.6278**.

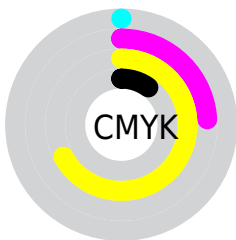
Distribution



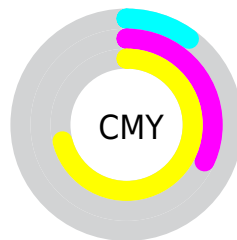
- Red (90%)
- Green (68%)
- Blue (29%)



- Red (64%)
- Yellow (90%)
- Blue (29%)



- Cyan (0%)
- Magenta (24%)
- Yellow (67%)
- Black (10%)





- Cyan (10%)
- Magenta (32%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5267, 47.0532, 13.1811 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 48.5267, 47.0532, 13.1811 by changing the saturation by 10% instead.


 48.5267, 47.0532,
13.1811


 48.5267, 47.0532,
13.1811


371.4240,
375.0268, 223.3235


 34.4572, 33.0777,
7.4212


 87.1931, 85.7930,
32.3247


 23.4096, 22.1860,
3.6445


 112.5206,
111.3262, 46.5455


 15.0186, 13.9936,
1.4324


 142.3315,
141.4806, 64.4236

 8.9188, 8.1162,
0.1668

 176.9911,
176.6408, 86.3776

 4.7450, 4.1694,
0.0000

 216.8648,
217.1912, 112.8261

 2.1316, 1.7688,
0.0000

262.3180,

 0.7063, 0.4676,

263.5160, 144.1875

0.0000

313.7159,
315.9998, 180.8805

■ 0.0000, 0.0000,
0.0000

■ 48.5267, 47.0532,
13.1811

■ 48.5267, 47.0532,
13.1811

■ 46.3325, 43.7017,
9.2542

■ 51.1045, 50.7211,
18.6278

■ 44.4851, 40.6434,
6.6759

■ 54.0917, 54.7130,
25.7354

■ 42.9416, 37.8600,
5.2254

■ 57.5150, 59.0440,
34.6317

■ 42.5511, 37.1342,
4.9249

■ 61.3977, 63.7262,
45.4312

■ 65.7613, 68.7708,
58.2386

■ 70.6257, 74.1882,
73.1511

■ 76.0095, 79.9885,
90.2596

■ 81.4105, 85.9731,
106.9114

■ 83.9131, 90.9783,
107.7456

Harmonies

Analogous

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



58.9895, 47.0532, 19.0638



48.5267, 47.0532, 13.1811



38.4765, 47.0532, 14.0893

Triad

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



48.5267, 47.0532, 13.1811



28.4580, 47.0532, 72.4170



61.5444, 47.0532, 98.0879

Complementary

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



48.5267, 47.0532, 13.1811



25.1604, 23.3845, 77.3159

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.



51.6107, 47.0532, 125.9686



48.5267, 47.0532, 13.1811



32.9643, 47.0532, 107.6294

Square

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



48.5267, 47.0532, 13.1811



27.8946, 47.0532, 41.3477



41.1228, 47.0532, 130.0103



67.2388, 47.0532, 62.5801

Rectangle

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



48.5267, 47.0532, 13.1811



33.2812, 47.0532, 18.5864



41.1228, 47.0532, 130.0103



58.5250, 47.0532, 109.1630

Sweetspot

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



48.5278, 47.0555, 13.1820



82.2661, 85.8737, 69.3661



38.9577, 23.3418, 24.0916



17.2686, 17.9889, 13.8469



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.



48.5278, 47.0555, 13.1820



58.0836, 54.0787, 10.2221



55.4330, 70.0240, 17.2514



15.1379, 15.8897, 15.1736



24.4471, 21.4683, 2.8553



1.8941, 1.7616, 0.2402

Inverse Universe

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



25.1604, 23.3845, 77.3159



26.4418, 22.1625, 97.4919



21.4342, 13.1513, 75.5371



14.0097, 14.7408, 18.2512



9.9709, 7.0039, 43.2095



0.8228, 0.6895, 3.2217

Previews

White Background



This preview shows how the XYZ color 48.5267, 47.0532, 13.1811 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 48.5267, 47.0532, 13.1811 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 48.5267, 47.0532, 13.1811

Background



This preview shows how black text looks on a background with the XYZ color 48.5267, 47.0532, 13.1811.



This preview shows how white text looks on a background with the XYZ color 48.5267, 47.0532,

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

48.5267, 47.0532, 13.1811

Protanopia

42.9372, 47.1135, 14.0385

Deuteranopia

48.0846, 47.1110, 13.2156



Tritanopia

55.4271, 47.1224, 46.7316

Trichromacy



Original Color

48.5267, 47.0532, 13.1811

Protanomaly

44.6110, 46.7731, 13.6980

Deuteranomaly

48.4010, 47.2741, 13.2304

Tritanomaly

52.0832, 46.8252, 30.7192

Monochromacy



Original Color

48.5267, 47.0532, 13.1811

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.5558, 45.2377, 31.6354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5267, 47.0532, 13.1811 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(229, 173, 75)` looks like.

```
.text, #text, p{  
    color:rgb(229, 173, 75)  
}
```

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(229, 173, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 173, 75) }
```

Border

The CSS property to change the border of an element to XYZ 48.5267, 47.0532, 13.1811 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(229, 173, 75) }
```


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

```
.border{ border-color:rgb(229, 173, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 173, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 173, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 173, 75);  
box-shadow:4px 4px 4px 4px rgb(229, 173,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5267, 47.0532, 13.1811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 173, 75) }
```

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

```
.background{ background-color: rgb(229,  
173, 75) }
```

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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