

Converting Colors

XYZ(49.4515, 47.9833, 15.4867)

Have a look what the booklet for
XYZ(49.4515, 47.9833, 15.4867)
contains.

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Color

**XYZ(49.6428, 48.1548,
15.4825)**

Conversions

Conversions Part 1

Format	Color
Hex	E6AF56
RGB	230, 175, 86
RGB Percent	90%, 69%, 34%
CMY	0.0980, 0.3137, 0.6627
CMYK	0.00, 0.24, 0.63, 0.10
HSL	37°, 74%, 62%
HSV	37°, 63%, 90%
XYZ	49.6428, 48.1548, 15.4825
YIQ	181.2990, 61.3490, -16.0190

Conversions

Conversions Part 2

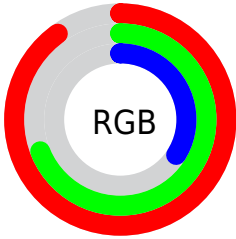
Format	Color
RYB	175, 230, 86
Decimal	15118166
CIELab	74.92, 10.76, 52.37
CIELCh	75, 53.467, 78.394
Yxy	48.1548, 0.4382, 0.4251
Android (android.graphics.Color)	4293308246 (0xFFE6AF56)
YUV	181.2990, -46.9824, 42.7108
Hunter-Lab	69.3937, 6.2563, 35.3473

Details

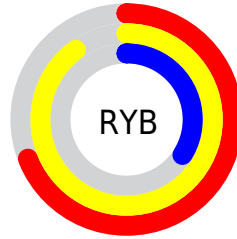
The XYZ color **49.6428, 48.1548, 15.4825** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.6452, 26.7403, 78.5668**, and the grayscale version is **44.3072, 46.6146, 50.7633**.

A 20% lighter version of the original color is **74.1970, 79.7177, 35.9026**, and **24.1663, 22.9393, 4.6674** is the 20% darker color. If you saturate the color by 10%, you get **47.2069, 44.5351, 10.8111**, and if you desaturate by 10%, it is **52.4903, 52.1209, 21.7626**.

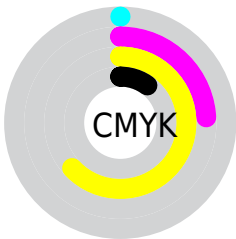
Distribution



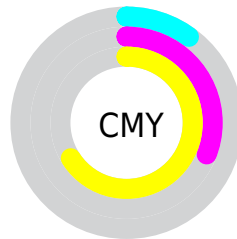
- Red (90%)
- Green (69%)
- Blue (34%)



- Red (69%)
- Yellow (90%)
- Blue (34%)



- Cyan (0%)
- Magenta (24%)
- Yellow (63%)
- Black (10%)





- Cyan (10%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6428, 48.1548, 15.4825 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 49.6428, 48.1548, 15.4825 by changing the saturation by 10% instead.


 49.6428, 48.1548,
15.4825

 49.6428, 48.1548,
15.4825


375.7425,
379.4054, 238.0089


 35.3463, 33.9495,
9.0083


 88.8404, 87.4348,
36.4516

 24.0975, 22.8548,
4.6497


 114.4722,
113.2784, 51.7837

 15.5311, 14.4863,
1.9881


 144.6132,
143.7701, 70.9055

 9.2817, 8.4597,
0.5480

 179.6286,
179.2944, 94.2355

 4.9840, 4.3905,
0.0000

 219.8839,
220.2357, 122.1923

 2.2725, 1.8943,
0.0000

265.7444,

 0.7805, 0.5449,

266.9783, 155.1944

0.0000

317.5755,
319.9068, 193.6605

■ 0.0000, 0.0000,
0.0000

■ 49.6428, 48.1548,
15.4825

■ 49.6428, 48.1548,
15.4825

■ 47.2069, 44.5351,
10.8111

■ 52.4903, 52.1209,
21.7626

■ 45.1473, 41.2387,
7.5881

■ 55.7739, 56.4407,
29.7853

■ 43.4270, 38.2491,
5.6244

■ 59.5197, 61.1298,
39.6737

■ 42.3299, 36.2169,
4.7595

■ 63.7506, 66.2004,
51.5388

■ 68.4879, 71.6641,
65.4828

■ 73.7513, 77.5317,
81.6008

■ 79.5594, 83.8136,
99.9820

■ 83.4191, 89.5153,
107.4893

■ 86.1440, 94.9650,
108.3975

Harmonies

Analogous

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



59.3691, 48.1548, 21.6784



49.6428, 48.1548, 15.4825



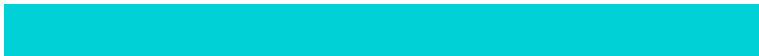
40.1095, 48.1548, 16.2230

Triad

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



49.6428, 48.1548, 15.4825



30.1960, 48.1548, 71.2483



61.2540, 48.1548, 96.7323

Complementary

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



49.6428, 48.1548, 15.4825



27.6452, 26.7403, 78.5668

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.



51.9388, 48.1548, 121.5936



49.6428, 48.1548, 15.4825



34.4239, 48.1548, 103.6468

Square

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



49.6428, 48.1548, 15.4825



29.7631, 48.1548, 42.3627



42.1035, 48.1548, 124.4966



66.6807, 48.1548, 63.9833

Rectangle

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



49.6428, 48.1548, 15.4825



35.0935, 48.1548, 20.6230



42.1035, 48.1548, 124.4966



58.4174, 48.1548, 106.7218

Sweetspot

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



49.6439, 48.1572, 15.4834



82.5862, 86.0203, 70.9943



40.7837, 25.4080, 28.0327



17.3200, 17.9959, 14.1593



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.



49.6439, 48.1572, 15.4834



58.8781, 55.0670, 12.3390



57.4750, 71.4413, 19.5650



15.1151, 15.8441, 15.1660



24.0866, 20.7474, 2.7351



1.8690, 1.7113, 0.2318

Inverse Universe

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



27.6452, 26.7403, 78.5668



29.0639, 26.1332, 98.1201



23.1817, 15.2411, 76.5825



14.0318, 14.7849, 18.2586



10.1636, 7.3894, 43.2738



0.8386, 0.7211, 3.2270

Previews

White Background



This preview shows how the XYZ color 49.6428, 48.1548, 15.4825 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 49.6428, 48.1548, 15.4825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

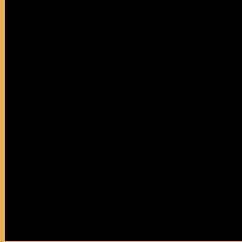
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6428, 48.1548, 15.4825

Background



This preview shows how black text looks on a background with the XYZ color 49.6428, 48.1548, 15.4825.



This preview shows how white text looks on a background with the XYZ color 49.6428, 48.1548,

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

49.6428, 48.1548, 15.4825

Protanopia

44.0540, 48.2566, 16.4437

Deuteranopia

49.2000, 48.2165, 15.5177



Tritanopia

56.4161, 48.1291, 48.4359

Trichromacy



Original Color

49.6428, 48.1548, 15.4825

Protanomaly

45.7259, 47.8985, 16.0678

Deuteranomaly

49.5181, 48.3806, 15.5326

Tritanomaly

53.2305, 47.9127, 33.2306

Monochromacy



Original Color

49.6428, 48.1548, 15.4825

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.8616, 46.4576, 33.7969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6428, 48.1548, 15.4825 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(230, 175, 86)` looks like.

```
.text, #text, p{  
    color:rgb(230, 175, 86)  
}
```

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(230, 175, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 175, 86) }
```

Border

The CSS property to change the border of an element to XYZ 49.6428, 48.1548, 15.4825 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(230, 175, 86) }
```


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

```
.border{ border-color:rgb(230, 175, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 175, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 175, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 175, 86);  
box-shadow:4px 4px 4px 4px rgb(230, 175,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6428, 48.1548, 15.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 175, 86) }
```

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

```
.background{ background-color: rgb(230,  
175, 86) }
```

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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