

Converting Colors

XYZ(50.0204, 48.0836, 14.9377)

Have a look what the booklet for
XYZ(50.0204, 48.0836, 14.9377)
contains.

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Color

**XYZ(50.0150, 48.0680,
15.0295)**

Conversions

Conversions Part 1

Format	Color
Hex	E8AE54
RGB	232, 174, 84
RGB Percent	91%, 68%, 33%
CMY	0.0902, 0.3176, 0.6706
CMYK	0.00, 0.25, 0.64, 0.09
HSL	36°, 76%, 62%
HSV	36°, 64%, 91%
XYZ	50.0150, 48.0680, 15.0295
YIQ	181.0820, 63.4580, -15.6940

Conversions

Conversions Part 2

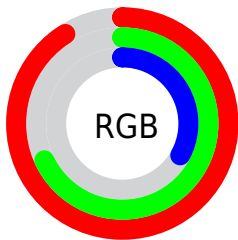
Format	Color
RYB	179, 232, 84
Decimal	15248980
CIELab	74.87, 12.00, 53.31
CIELCh	75, 54.640, 77.318
Yxy	48.0680, 0.4422, 0.4250
Android (android.graphics.Color)	4293439060 (0xFFE8AE54)
YUV	181.0820, -47.8614, 44.6551
Hunter-Lab	69.3311, 7.4393, 35.6790

Details

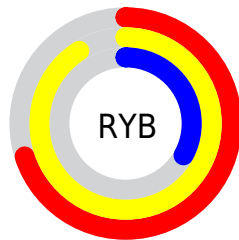
The XYZ color **50.0150, 48.0680, 15.0295** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.8942, 27.0559, 80.0956**, and the grayscale version is **44.1932, 46.4947, 50.6327**.

A 20% lighter version of the original color is **73.7747, 79.1048, 35.0473**, and **24.4404, 22.9022, 4.4287** is the 20% darker color. If you saturate the color by 10%, you get **47.5554, 44.3702, 10.4449**, and if you desaturate by 10%, it is **52.8966, 52.1286, 21.2398**.

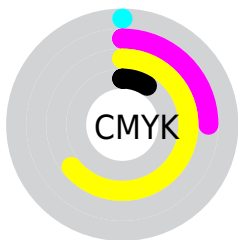
Distribution



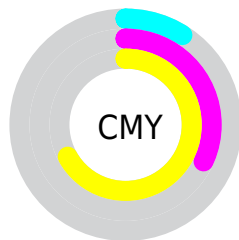
- Red (91%)
- Green (68%)
- Blue (33%)



- Red (70%)
- Yellow (91%)
- Blue (33%)



- Cyan (0%)
- Magenta (25%)
- Yellow (64%)
- Black (9%)




- Cyan (9%)
- Magenta (32%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0150, 48.0680, 15.0295 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 50.0150, 48.0680, 15.0295 by changing the saturation by 10% instead.


 50.0150, 48.0680,
15.0295


 50.0150, 48.0680,
15.0295


377.1756,
379.0616, 235.1916


 35.6432, 33.8807,
8.6932


 89.3888, 87.3056,
35.6480

 24.3276, 22.8020,
4.4476


 115.1215,
113.1248, 50.7672

 15.7028, 14.4474,
1.8740


 145.3718,
143.5901, 69.6513

 9.4036, 8.4325,
0.4761

 180.5051,
179.0858, 92.7186

 5.0646, 4.3729,
0.0000

 220.8868,
219.9965, 120.3878

 2.3204, 1.8843,
0.0000

266.8822,

 0.8050, 0.5389,

266.7064, 153.0773

0.0000

318.8567,
319.6000, 191.2057

■ 0.0000, 0.0000,
0.0000

■ 50.0150, 48.0680,
15.0295

■ 50.0150, 48.0680,
15.0295

■ 47.5554, 44.3702,
10.4449

■ 52.8966, 52.1286,
21.2398

■ 45.4810, 41.0111,
7.3191

■ 56.2259, 56.5602,
29.2148

■ 43.7528, 37.9731,
5.4535

■ 60.0300, 61.3792,
39.0820

■ 42.8166, 36.2318,
4.7368

■ 64.3328, 66.5984,
50.9559

■ 69.1562, 72.2300,
64.9419

■ 74.5207, 78.2855,
81.1381

■ 80.4457, 84.7758,
99.6363

■ 84.5081, 90.7348,
107.6673

■ 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



59.9145, 48.0680, 21.5210



50.0150, 48.0680, 15.0295



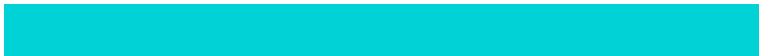
40.2286, 48.0680, 15.5340

Triad

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



50.0150, 48.0680, 15.0295



29.7563, 48.0680, 70.3892



61.2342, 48.0680, 98.9314

Complementary

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



50.0150, 48.0680, 15.0295



27.8942, 27.0559, 80.0956

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.



51.6185, 48.0680, 123.9544



50.0150, 48.0680, 15.0295



33.9118, 48.0680, 103.7968

Square

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



50.0150, 48.0680, 15.0295



29.4566, 48.0680, 41.2124



41.6165, 48.0680, 126.0023



66.9956, 48.0680, 65.3045

Rectangle

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



50.0150, 48.0680, 15.0295



35.0482, 48.0680, 19.7501



41.6165, 48.0680, 126.0023



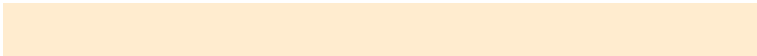
58.2869, 48.0680, 109.0847

Sweetspot

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



50.0161, 48.0704, 15.0304



82.4472, 85.7424, 70.9479



41.4223, 25.4861, 28.8028



17.2863, 17.9285, 14.1481



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.



50.0161, 48.0704, 15.0304



57.9526, 53.4366, 11.3501



59.1315, 73.1354, 19.3880



15.1027, 15.8194, 15.1619



23.8962, 20.3666, 2.6717



1.8556, 1.6846, 0.2274

Inverse Universe

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



27.8942, 27.0559, 80.0956



28.5796, 25.6324, 98.0490



22.8600, 14.8088, 77.9970



14.0438, 14.8089, 18.2626



10.2730, 7.6080, 43.3102



0.8474, 0.7388, 3.2299

Previews

White Background



This preview shows how the XYZ color 50.0150, 48.0680, 15.0295 looks on a white background.

Color Contrast Check

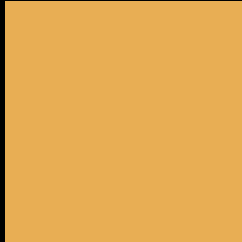
Large Text (above 18pt) WCAG AA × Fail

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 50.0150, 48.0680, 15.0295 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 50.0150, 48.0680, 15.0295

Background



This preview shows how black text looks on a background with the XYZ color 50.0150, 48.0680, 15.0295.



This preview shows how white text looks on a background with the XYZ color 50.0150, 48.0680,

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

50.0150, 48.0680, 15.0295

Protanopia

44.2461, 48.3652, 16.0202

Deuteranopia

49.1205, 48.1847, 15.0992



Tritanopia

56.7085, 48.0362, 47.3573

Trichromacy



Original Color

50.0150, 48.0680, 15.0295

Protanomaly

46.2279, 48.1667, 15.6647

Deuteranomaly

49.2433, 47.9581, 15.0489

Tritanomaly

53.5526, 47.8213, 32.3945

Monochromacy



Original Color

50.0150, 48.0680, 15.0295

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.9281, 46.1955, 33.7428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0150, 48.0680, 15.0295 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, 174, 84)` looks like.

```
.text, #text, p{  
    color:rgb(232, 174, 84)  
}
```

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, 174, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 174, 84) }
```

Border

The CSS property to change the border of an element to XYZ 50.0150, 48.0680, 15.0295 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, 174, 84) }
```


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

```
.border{ border-color:rgb(232, 174, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 174, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 174, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 174, 84);  
box-shadow:4px 4px 4px 4px rgb(232, 174,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0150, 48.0680, 15.0295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 174, 84) }
```

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

```
.background{ background-color: rgb(232,  
174, 84) }
```

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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