

Converting Colors

XYZ(48.9552, 48.4362, 13.2490)

Have a look what the booklet for
XYZ(48.9552, 48.4362, 13.2490)
contains.

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Color

**XYZ(48.9531, 48.4327,
13.2469)**

Conversions

Conversions Part 1

Format	Color
Hex	E4B14A
RGB	228, 177, 74
RGB Percent	89%, 69%, 29%
CMY	0.1059, 0.3059, 0.7098
CMYK	0.00, 0.22, 0.68, 0.11
HSL	40°, 74%, 59%
HSV	40°, 68%, 89%
XYZ	48.9531, 48.4327, 13.2469
YIQ	180.5070, 63.4590, -21.2210

Conversions

Conversions Part 2

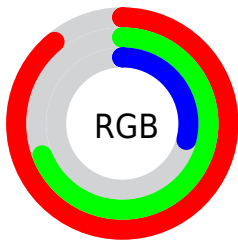
Format	Color
RYB	150, 228, 74
Decimal	14987594
CIELab	75.10, 8.13, 57.96
CIELCh	75, 58.530, 82.015
Yxy	48.4327, 0.4425, 0.4378
Android (android.graphics.Color)	4293177674 (0xFFE4B14A)
YUV	180.5070, -52.5080, 41.6514
Hunter-Lab	69.5936, 3.7705, 37.4299

Details

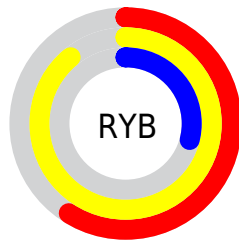
The XYZ color **48.9531, 48.4327, 13.2469** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.1609, 21.7237, 76.3180**, and the grayscale version is **43.9063, 46.1928, 50.3040**.

A 20% lighter version of the original color is **73.9274, 80.5055, 31.7214**, and **23.7893, 23.1397, 3.7028** is the 20% darker color. If you saturate the color by 10%, you get **46.8698, 45.2808, 9.4253**, and if you desaturate by 10%, it is **51.3994, 51.8657, 18.5632**.

Distribution



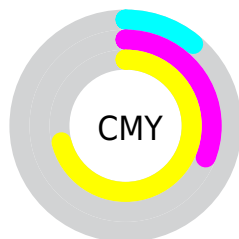
- Red (89%)
- Green (69%)
- Blue (29%)



- Red (59%)
- Yellow (89%)
- Blue (29%)



- Cyan (0%)
- Magenta (22%)
- Yellow (68%)
- Black (11%)





- Cyan (11%)
- Magenta (31%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9531, 48.4327, 13.2469 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 48.9531, 48.4327, 13.2469 by changing the saturation by 10% instead.


 48.9531, 48.4327,
13.2469


 48.9531, 48.4327,
13.2469


373.0777,
380.5047, 223.7571

 34.7967, 34.1697,
7.4661


 87.8229, 87.8483,
32.4443


 23.6721, 23.0240,
3.6724


 113.2670,
113.7697, 46.6980


 15.2140, 14.6112,
1.4474


 143.2044,
144.3459, 64.6130

 9.0570, 8.5470,
0.1783

 178.0004,
179.9615, 86.6078

 4.8358, 4.4469,
0.0000

 218.0204,
221.0008, 113.1012

 2.1850, 1.9266,
0.0000

263.6297,

 0.7348, 0.5643,

267.8481, 144.5115

0.0000

315.1936,
320.8880, 181.2573

■ 0.0000, 0.0000,
0.0000

■ 48.9531, 48.4327,
13.2469

■ 48.9531, 48.4327,
13.2469

■ 46.8698, 45.2808,
9.4253

■ 51.3994, 51.8657,
18.5632

■ 45.1131, 42.3874,
6.9280

■ 54.2337, 55.5861,
25.5140

■ 43.6400, 39.7353,
5.5305

■ 57.4821, 59.6082,
34.2260

■ 43.3045, 39.1135,
5.2673

■ 61.1674, 63.9431,
44.8126

■ 65.3103, 68.6011,
57.3776

■ 69.9302, 73.5919,
72.0174

■ 75.0454, 78.9244,
88.8216

■ 80.4462, 84.5168,
106.6812

■ 82.6833, 88.9911,
107.4269

Harmonies

Analogous

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



59.9010, 48.4327, 18.5801



48.9531, 48.4327, 13.2469



38.7406, 48.4327, 14.7867

Triad

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



48.9531, 48.4327, 13.2469



29.4653, 48.4327, 78.0646



64.2394, 48.4327, 97.9771

Complementary

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



48.9531, 48.4327, 13.2469



24.1609, 21.7237, 76.3180

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.



54.1893, 48.4327, 128.4482



48.9531, 48.4327, 13.2469



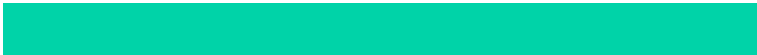
34.4912, 48.4327, 114.1852

Square

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



48.9531, 48.4327, 13.2469



28.5093, 48.4327, 44.9618



43.2330, 48.4327, 135.3139



69.5768, 48.4327, 61.3561

Rectangle

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



48.9531, 48.4327, 13.2469



33.5845, 48.4327, 19.9413



43.2330, 48.4327, 135.3139



61.2324, 48.4327, 109.7832

Sweetspot

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



48.9542, 48.4351, 13.2478



82.7463, 86.8341, 69.5262



38.1668, 22.8811, 21.9194



17.3842, 18.2201, 13.8854



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.



48.9542, 48.4351, 13.2478



59.4694, 56.8502, 10.6841



53.4268, 68.5840, 16.9013



15.1784, 15.9707, 15.1871



25.1187, 22.8116, 3.0792



1.9405, 1.8543, 0.2556

Inverse Universe

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



24.1609, 21.7237, 76.3180



25.6335, 20.5460, 97.2225



21.6715, 13.1899, 74.8020



13.9707, 14.6629, 18.2382



9.6557, 6.3734, 43.1045



0.7963, 0.6364, 3.2128

Previews

White Background



This preview shows how the XYZ color 48.9531, 48.4327, 13.2469 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 48.9531, 48.4327, 13.2469 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 48.9531, 48.4327, 13.2469

Background



This preview shows how black text looks on a background with the XYZ color 48.9531, 48.4327, 13.2469.



This preview shows how white text looks on a background with the XYZ color 48.9531, 48.4327,

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

48.9531, 48.4327, 13.2469

Protanopia

44.1071, 48.3415, 13.8436

Deuteranopia

49.3945, 48.3681, 13.2112



Tritanopia

56.3650, 48.3600, 49.0115

Trichromacy



Original Color

48.9531, 48.4327, 13.2469

Protanomaly

45.7295, 48.2600, 13.5615

Deuteranomaly

49.0745, 48.2031, 13.1962

Tritanomaly

52.7867, 47.9962, 31.6813

Monochromacy



Original Color

48.9531, 48.4327, 13.2469

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.4924, 46.6013, 32.2411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9531, 48.4327, 13.2469 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(228, 177, 74)` looks like.

```
.text, #text, p{  
    color:rgb(228, 177, 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(228, 177, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 177, 74) }
```

Border

The CSS property to change the border of an element to XYZ 48.9531, 48.4327, 13.2469 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(228, 177, 74) }
```


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

```
.border{ border-color:rgb(228, 177, 74) }
```

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

Here you see how a box with a 4 pixel rgb(228, 177, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 177, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 177, 74);  
box-shadow:4px 4px 4px 4px rgb(228, 177,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9531, 48.4327, 13.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 177, 74) }
```

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

```
.background{ background-color: rgb(228,  
177, 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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