

Converting Colors

XYZ(49.1211, 45.8151, 13.8468)

Have a look what the booklet for
XYZ(49.1211, 45.8151, 13.8468)
contains.

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Color

**XYZ(49.0549, 45.9081,
13.8651)**

Conversions

Conversions Part 1

Format	Color
Hex	E9A850
RGB	233, 168, 80
RGB Percent	91%, 66%, 31%
CMY	0.0863, 0.3412, 0.6863
CMYK	0.00, 0.28, 0.66, 0.09
HSL	35°, 78%, 61%
HSV	35°, 66%, 91%
XYZ	49.0549, 45.9081, 13.8651
YIQ	177.4030, 66.9880, -13.5880

Conversions

Conversions Part 2

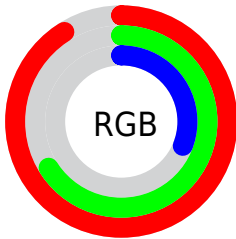
Format	Color
RYB	193, 233, 80
Decimal	15312976
CIELab	73.49, 15.35, 53.67
CIElCh	73, 55.819, 74.035
Yxy	45.9081, 0.4508, 0.4218
Android (android.graphics.Color)	4293503056 (0xFFE9A850)
YUV	177.4030, -48.0197, 48.7586
Hunter-Lab	67.7555, 10.6616, 35.2961

Details

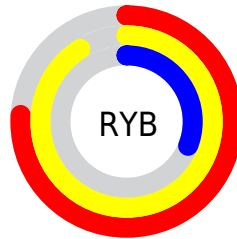
The XYZ color **49.0549, 45.9081, 13.8651** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **28.1411, 27.8382, 80.9805**, and the grayscale version is **42.2233, 44.4222, 48.3758**.

A 20% lighter version of the original color is **71.7925, 75.7013, 32.6577**, and **23.6768, 21.4542, 3.9301** is the 20% darker color. If you saturate the color by 10%, you get **46.5806, 42.1068, 9.5045**, and if you desaturate by 10%, it is **51.9688, 50.1116, 19.8452**.

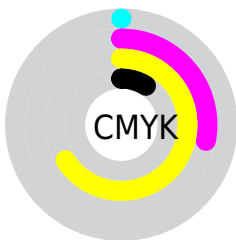
Distribution



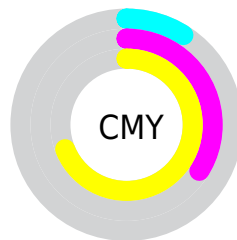
- Red (91%)
- Green (66%)
- Blue (31%)



- Red (76%)
- Yellow (91%)
- Blue (31%)



- Cyan (0%)
- Magenta (28%)
- Yellow (66%)
- Black (9%)





- Cyan (9%)
- Magenta (34%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0549, 45.9081, 13.8651 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 49.0549, 45.9081, 13.8651 by changing the saturation by 10% instead.


 49.0549, 45.9081,
13.8651

 49.0549, 45.9081,
13.8651


373.4718,
370.4391, 227.7892

 34.8777, 32.1733,
7.8892


 87.9732, 84.0814,
33.5632

 23.7348, 21.4939,
3.9374


 113.4451,
109.2888, 48.1224


 15.2607, 13.4855,
1.5911


 143.4126,
139.0891, 66.3799

 9.0900, 7.7637,
0.2844

 178.2411,
173.8668, 88.7541

 4.8575, 3.9441,
0.0000

 218.2959,
214.0062, 115.6636

 2.1978, 1.6424,
0.0000

263.9423,

 0.7416, 0.3859,

259.8918, 147.5269

0.0000

315.5459,
311.9080, 184.7626

■ 0.0000, 0.0000,
0.0000

■ 49.0549, 45.9081,
13.8651

■ 49.0549, 45.9081,
13.8651

■ 46.5806, 42.1068,
9.5045

■ 51.9688, 50.1116,
19.8452

■ 44.5073, 38.6816,
6.5891

■ 55.3500, 54.7274,
27.5893

■ 42.7929, 35.6126,
4.9086

■ 59.2268, 59.7735,
37.2288

■ 42.1321, 34.3796,
4.4153

■ 63.6244, 65.2643,
48.8818

■ 68.5660, 71.2135,
62.6566

■ 74.0730, 77.6340,
78.6537

■ 80.1658, 84.5379,
96.9672

■ 84.9727, 91.1807,
107.7288

■ 87.4141, 96.0635,
108.5426

Harmonies

Analogous

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



58.7192, 45.9081, 20.9634



49.0549, 45.9081, 13.8651



39.1995, 45.9081, 13.6649

Triad

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



49.0549, 45.9081, 13.8651



27.7156, 45.9081, 64.3314



58.1709, 45.9081, 100.0138

Complementary

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



49.0549, 45.9081, 13.8651



28.1411, 27.8382, 80.9805

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.



48.3915, 45.9081, 123.2550



49.0549, 45.9081, 13.8651



31.3831, 45.9081, 97.9759

Square

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



49.0549, 45.9081, 13.8651



27.8378, 45.9081, 36.4994



38.6284, 45.9081, 122.3937



64.4988, 45.9081, 66.4427

Rectangle

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



49.0549, 45.9081, 13.8651



33.8671, 45.9081, 17.1590



38.6284, 45.9081, 122.3937



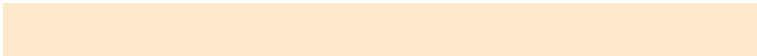
55.1190, 45.9081, 109.7721

Sweetspot

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



49.0560, 45.9104, 13.8660



81.3730, 84.0874, 69.0684



41.6847, 25.1460, 29.9738



17.0541, 17.5597, 13.7753



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.



49.0560, 45.9104, 13.8660



56.1623, 50.0561, 10.1366



60.9566, 74.5129, 18.7596



15.7849, 16.4928, 15.8702



24.0322, 19.7586, 2.5472



1.9821, 1.7415, 0.2317

Inverse Universe

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



28.1411, 27.8382, 80.9805



28.7982, 26.4936, 98.2037



21.8129, 13.8047, 78.6053



14.7572, 15.6009, 19.1557



10.9932, 8.6334, 44.8300



0.9567, 0.8650, 3.5514

Previews

White Background



This preview shows how the XYZ color 49.0549, 45.9081, 13.8651 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 49.0549, 45.9081, 13.8651 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 49.0549, 45.9081, 13.8651

Background



This preview shows how black text looks on a background with the XYZ color 49.0549, 45.9081, 13.8651.



This preview shows how white text looks on a background with the XYZ color 49.0549, 45.9081,

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

49.0549, 45.9081, 13.8651

Protanopia

42.2115, 46.1053, 15.0619

Deuteranopia

46.9043, 45.9169, 13.7879



Tritanopia

55.0792, 45.7067, 43.9495

Trichromacy



Original Color

49.0549, 45.9081, 13.8651

Protanomaly

44.5272, 45.8213, 14.6812

Deuteranomaly

47.6527, 46.0212, 13.7685

Tritanomaly

52.3607, 45.6513, 29.7188

Monochromacy



Original Color

49.0549, 45.9081, 13.8651

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.0445, 44.0954, 31.8338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0549, 45.9081, 13.8651 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(233, 168, 80)` looks like.

```
.text, #text, p{  
    color:rgb(233, 168, 80)  
}
```

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(233, 168, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 168, 80) }
```

Border

The CSS property to change the border of an element to XYZ 49.0549, 45.9081, 13.8651 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(233, 168, 80) }
```


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

```
.border{ border-color:rgb(233, 168, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 168, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 168, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 168, 80);  
box-shadow:4px 4px 4px 4px rgb(233, 168,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0549, 45.9081, 13.8651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 168, 80) }
```

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

```
.background{ background-color: rgb(233,  
168, 80) }
```

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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