

# Converting Colors

XYZ(48.6193, 43.2176, 16.1352)

Have a look what the booklet for  
XYZ(48.6193, 43.2176, 16.1352)  
contains.

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# Color

**XYZ(48.6349, 43.2488,  
16.1404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB9F5D
RGB	235, 159, 93
RGB Percent	92%, 62%, 36%
CMY	0.0784, 0.3764, 0.6353
CMYK	0.00, 0.32, 0.60, 0.08
HSL	28°, 78%, 64%
HSV	28°, 60%, 92%
XYZ	48.6349, 43.2488, 16.1404
YIQ	174.2000, 66.4820, -4.4140

# Conversions

## Conversions Part 2

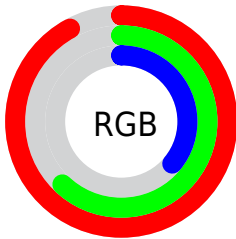
Format	Color
R <sub>Y</sub> B	235, 216, 93
Decimal	15441757
CIE Lab	71.72, 21.80, 45.40
CIE LCh	72, 50.363, 64.349
Yxy	43.2488, 0.4502, 0.4004
Android (android.graphics.Color)	4293631837 (0xFFEB9F5D)
YUV	174.2000, -40.0316, 53.3216
Hunter-Lab	65.7638, 16.9210, 31.4831

# Details

The XYZ color **48.6349, 43.2488, 16.1404** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.6967, 36.6994, 83.9046**, and the grayscale version is **40.5115, 42.6212, 46.4145**.

A 20% lighter version of the original color is **70.3974, 71.3975, 36.8588**, and **23.3915, 19.8112, 4.9739** is the 20% darker color. If you saturate the color by 10%, you get **45.6959, 38.7886, 10.7908**, and if you desaturate by 10%, it is **52.1157, 48.2813, 23.2489**.

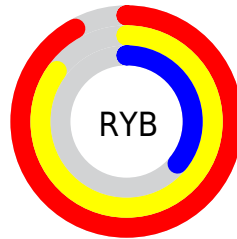
# Distribution



Red (92%)

Green (62%)

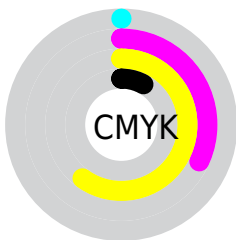
Blue (36%)



Red (92%)

Yellow (85%)

Blue (36%)

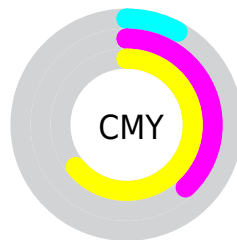


Cyan (0%)

Magenta (32%)

Yellow (60%)

Black (8%)



Cyan (8%)

Magenta (38%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6349, 43.2488, 16.1404 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 48.6349, 43.2488, 16.1404 by changing the saturation by 10% instead.





 48.6349, 43.2488,  
16.1404


 48.6349, 43.2488,  
16.1404


371.8441,  
359.6340, 242.0427

 34.5433, 30.0804,  
9.4681


 87.3529, 80.0862,  
37.6120

 23.4761, 19.8996,  
4.9468


 112.7101,  
104.5239, 53.2483

 15.0681, 12.3221,  
2.1579


 142.5531,  
133.4869, 72.7098

 8.9538, 6.9634,  
0.6499

 177.2474,  
167.3595, 96.4149

 4.7679, 3.4392,  
0.0000

217.1583,  
206.5261, 124.7822

 2.1451, 1.3651,  
0.0000

262.6511,

 0.7136, 0.1908,

251.3711, 158.2303

0.0000

314.0913,  
302.2789, 197.1776

■ 0.0000, 0.0000,  
0.0000

■ 48.6349, 43.2488,  
16.1404

■ 48.6349, 43.2488,  
16.1404

■ 45.6959, 38.7886,  
10.7908

■ 52.1157, 48.2813,  
23.2489

■ 43.2588, 34.8691,  
7.0354

■ 56.1682, 53.9029,  
32.2555

■ 41.2816, 31.4642,  
4.6821

■ 60.8231, 60.1372,  
43.2884

■ 39.7545, 28.6495,  
3.4346

■ 66.1078, 67.0044,  
56.4635

■ 72.0480, 74.5238,  
71.8881

■ 78.6678, 82.7137,  
89.6621

■ 85.5844, 91.4292,  
107.7446

■ 88.0708, 96.4021,  
108.5734

# Harmonies

## Analogous

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



56.2137, 43.2488, 25.2228



48.6349, 43.2488, 16.1404



39.8736, 43.2488, 14.0350

# Triad

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



48.6349, 43.2488, 16.1404



26.8074, 43.2488, 50.7488



51.0885, 43.2488, 97.5843

# Complementary

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



48.6349, 43.2488, 16.1404



33.6967, 36.6994, 83.9046

# 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.



42.3649, 43.2488, 111.2941



48.6349, 43.2488, 16.1404



28.9822, 43.2488, 78.9321

# Square

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



48.6349, 43.2488, 16.1404



28.0066, 43.2488, 29.5213



34.3984, 43.2488, 103.4983



57.7624, 43.2488, 70.5305



# Rectangle

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



48.6349, 43.2488, 16.1404



34.6996, 43.2488, 15.9202



34.3984, 43.2488, 103.4983



48.2575, 43.2488, 104.2637

# Sweetspot

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



48.6359, 43.2510, 16.1412



81.1792, 82.7048, 72.0716



45.5356, 28.4352, 41.6669



16.9490, 17.1564, 14.3357



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.



48.6359, 43.2510, 16.1412



54.0939, 45.2565, 11.4902



63.9524, 73.8840, 21.2467



15.6426, 16.2082, 15.8228



22.2503, 16.1949, 1.9532



1.8426, 1.4625, 0.1852



# Inverse Universe

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



33.6967, 36.6994, 83.9046



34.5835, 36.6596, 99.8610



24.0766, 17.4592, 80.6979



14.8988, 15.8840, 19.2029



12.6104, 11.8678, 45.3690



1.0864, 1.1242, 3.5946



# Previews

## White Background



This preview shows how the XYZ color 48.6349, 43.2488, 16.1404 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 48.6349, 43.2488, 16.1404 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 48.6349, 43.2488, 16.1404**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.6349, 43.2488, 16.1404.



This preview shows how white text looks on a background with the XYZ color 48.6349, 43.2488,



# 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

48.6349, 43.2488, 16.1404

### Protanopia

39.7698, 43.2890, 18.0639

### Deuteranopia

44.2099, 43.3595, 15.9366



## Tritanopia

53.5234, 43.2671, 39.7128

# Trichromacy



## Original Color

48.6349, 43.2488, 16.1404

## Protanomaly

42.5448, 43.0224, 17.3711

## Deuteranomaly

45.8183, 43.3709, 16.0818

## Tritanomaly

51.3309, 43.0945, 29.2795

# Monochromacy



## Original Color

48.6349, 43.2488, 16.1404

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

42.0638, 42.1560, 32.7080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.6349, 43.2488, 16.1404 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(235, 159, 93)` looks like.

```
.text, #text, p{  
    color:rgb(235, 159, 93)  
}
```

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(235, 159, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 159, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 48.6349, 43.2488, 16.1404 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(235, 159, 93) }
```



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

```
.border{ border-color:rgb(235, 159, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 159, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 159, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 159, 93);  
box-shadow:4px 4px 4px 4px rgb(235, 159,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.6349, 43.2488, 16.1404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 159, 93) }
```

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

```
.background{ background-color: rgb(235,  
159, 93) }
```

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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