

# Converting Colors

XYZ(43.2866, 33.8669, 4.7690)

Have a look what the booklet for  
XYZ(43.2866, 33.8669, 4.7690)  
contains.

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# Color

**XYZ(43.2113, 33.9181,  
4.7997)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE8111
RGB	238, 129, 17
RGB Percent	93%, 51%, 7%
CMY	0.0667, 0.4941, 0.9333
CMYK	0.00, 0.46, 0.93, 0.07
HSL	30°, 87%, 50%
HSV	30°, 93%, 93%
XYZ	43.2113, 33.9181, 4.7997
YIQ	148.8230, 100.9160, -11.7240

# Conversions

## Conversions Part 2

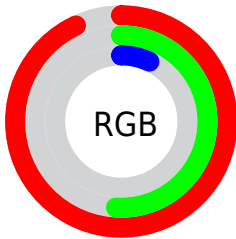
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 238, 17
Decimal	15630609
CIE Lab	64.90, 35.77, 68.83
CIE LCh	65, 77.567, 62.540
Yxy	33.9181, 0.5274, 0.4140
Android (android.graphics.Color)	4293820689 (0xFFEE8111)
YUV	148.8230, -64.9887, 78.2082
Hunter-Lab	58.2392, 30.5215, 35.8812

# Details

The XYZ color **43.2113, 33.9181, 4.7997** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **23.1245, 21.2137, 83.7641**, and the grayscale version is **28.7288, 30.2249, 32.9150**.

A 20% lighter version of the original color is **59.5486, 55.6770, 14.8159**, and **20.4036, 14.5627, 1.7355** is the 20% darker color. If you saturate the color by 10%, you get **42.0508, 31.7594, 3.9139**, and if you desaturate by 10%, it is **45.1438, 37.3105, 6.9025**.

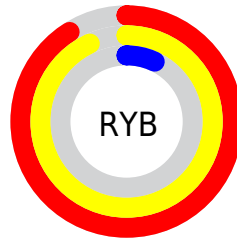
# Distribution



Red (93%)

Green (51%)

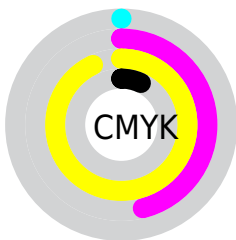
Blue (7%)



Red (91%)

Yellow (93%)

Blue (7%)

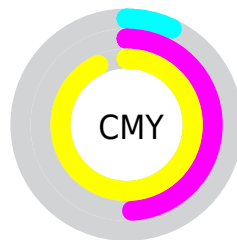


Cyan (0%)

Magenta (46%)

Yellow (93%)

Black (7%)



Cyan (7%)

Magenta (49%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2113, 33.9181, 4.7997 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 43.2113, 33.9181, 4.7997 by changing the saturation by 10% instead.





 43.2113, 33.9181,  
4.7997


 43.2113, 33.9181,  
4.7997


350.3868,  
319.7667, 156.7377


 30.2462, 22.8307,  
2.0735


 79.2833, 65.8063,  
15.8157


 20.1745, 14.4685,  
0.6000


 103.1210, 87.3759,  
24.9427

 12.6310, 8.4473,  
0.0000


 131.3135,  
113.2083, 37.0403

 7.2502, 4.3824,  
0.0000

 164.2263,  
143.6879, 52.5272

 3.6668, 1.8897,  
0.0000

 202.2246,  
179.1992, 71.8218


 1.5154, 0.5422,  
0.0000

 245.6739,


 0.3363, 0.0000,


220.1265, 95.3428


0.0000


 294.9395,  
266.8542, 123.5086


 0.0000, 0.0000,  
0.0000


 43.2113, 33.9181,  
4.7997


 43.2113, 33.9181,  
4.7997


 42.0508, 31.7594,  
3.9139

 45.1438, 37.3105,  
6.9025

 47.5092, 41.1678,  
10.3837

 50.3530, 45.5185,  
15.4532

 53.7131, 50.3861,  
22.2842

 57.6226, 55.7919,  
31.0270

■ 62.1116, 61.7557,  
41.8156

■ 67.2074, 68.2958,  
54.7718

■ 72.9358, 75.4297,  
70.0077

■ 79.3205, 83.1741,  
87.6279

# Harmonies

## Analogous

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



53.9886, 33.9181, 12.7145



43.2113, 33.9181, 4.7997



31.2940, 33.9181, 3.2418

# Triad

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



43.2113, 33.9181, 4.7997



15.1678, 33.9181, 39.7296



45.2502, 33.9181, 117.0302

# Complementary

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



43.2113, 33.9181, 4.7997



23.1245, 21.2137, 83.7641

# 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.



33.2010, 33.9181, 139.0165



43.2113, 33.9181, 4.7997



17.2900, 33.9181, 80.9753

# Square

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



43.2113, 33.9181, 4.7997



16.6682, 33.9181, 15.1821



23.3003, 33.9181, 123.0209



55.3444, 33.9181, 73.2522



# Rectangle

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



43.2113, 33.9181, 4.7997



24.6744, 33.9181, 4.2487



23.3003, 33.9181, 123.0209



41.2084, 33.9181, 128.0740

# Sweetspot

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



43.2120, 33.9199, 4.8003



75.3869, 75.7781, 55.7812



39.3238, 20.1236, 22.0627



15.5996, 15.5258, 10.5929



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.



43.2120, 33.9199, 4.8003



49.1213, 37.0227, 4.5571



65.9351, 79.3660, 12.3746



16.4350, 17.0831, 16.5809



23.5902, 17.9784, 2.2268



2.0621, 1.6948, 0.2184



# Inverse Universe

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



23.1245, 21.2137, 83.7641



25.4808, 22.0815, 97.5269



15.8643, 6.6934, 81.3440



15.5411, 16.5163, 20.0905



12.3126, 10.8495, 46.5731



1.1237, 1.1014, 3.9076



# Previews

## White Background



This preview shows how the XYZ color 43.2113, 33.9181, 4.7997 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 43.2113, 33.9181, 4.7997 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 43.2113, 33.9181, 4.7997**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2113, 33.9181, 4.7997.



This preview shows how white text looks on a background with the XYZ color 43.2113, 33.9181,



# 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

43.2113, 33.9181, 4.7997

### Protanopia

30.7734, 33.9933, 5.9167

### Deuteranopia

34.7258, 34.0921, 4.7502



## Tritanopia

47.2969, 33.8952, 24.8185

# Trichromacy



## Original Color

43.2113, 33.9181, 4.7997

## Protanomaly

34.4078, 33.2087, 5.4070

## Deuteranomaly

37.4374, 33.6553, 4.6953

## Tritanomaly

45.1200, 33.5713, 13.3343

# Monochromacy



## Original Color

43.2113, 33.9181, 4.7997

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

31.0780, 30.1093, 16.4856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2113, 33.9181, 4.7997 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(238, 129, 17)` looks like.

```
.text, #text, p{  
    color:rgb(238, 129, 17)  
}
```

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(238, 129, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 129, 17) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2113, 33.9181, 4.7997 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(238, 129, 17) }
```



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

```
.border{ border-color:rgb(238, 129, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 129, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 129, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 129, 17);  
box-shadow:4px 4px 4px 4px rgb(238, 129,  
17) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2113, 33.9181, 4.7997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 129, 17) }
```

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

```
.background{ background-color: rgb(238,  
129, 17) }
```

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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