

# Converting Colors

XYZ(45.8812, 41.5749, 15.9625)

Have a look what the booklet for  
XYZ(45.8812, 41.5749, 15.9625)  
contains.

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# Color

**XYZ(45.8812, 41.5749,  
15.9625)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E39E5D
RGB	227, 158, 93
RGB Percent	89%, 62%, 36%
CMY	0.1098, 0.3804, 0.6353
CMYK	0.00, 0.30, 0.59, 0.11
HSL	29°, 71%, 63%
HSV	29°, 59%, 89%
XYZ	45.8812, 41.5749, 15.9625
YIQ	171.2210, 61.9890, -5.5870

# Conversions

## Conversions Part 2

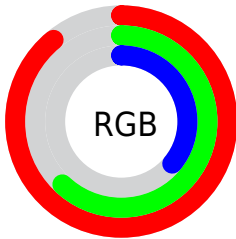
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 219, 93
Decimal	14917213
CIE Lab	70.58, 19.05, 43.81
CIE LCh	71, 47.775, 66.501
Yxy	41.5749, 0.4436, 0.4020
Android (android.graphics.Color)	4293107293 (0xFFE39E5D)
YUV	171.2210, -38.5630, 48.9182
Hunter-Lab	64.4786, 14.1781, 30.4570

# Details

The XYZ color **45.8812, 41.5749, 15.9625** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **31.2990, 33.7124, 77.5302**, and the grayscale version is **38.9868, 41.0171, 44.6676**.

A 20% lighter version of the original color is **70.1451, 70.8928, 36.7747**, and **21.7571, 18.8147, 4.8678** is the 20% darker color. If you saturate the color by 10%, you get **43.1215, 37.4329, 10.7970**, and if you desaturate by 10%, it is **49.1309, 46.2197, 22.7641**.

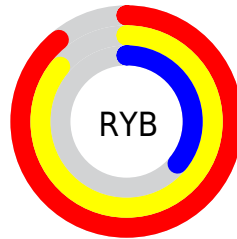
# Distribution



Red (89%)

Green (62%)

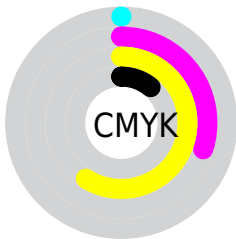
Blue (36%)



Red (89%)

Yellow (86%)

Blue (36%)

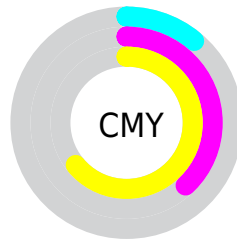


Cyan (0%)

Magenta (30%)

Yellow (59%)

Black (11%)



Cyan (11%)

Magenta (38%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8812, 41.5749, 15.9625 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 45.8812, 41.5749, 15.9625 by changing the saturation by 10% instead.





 45.8812, 41.5749,  
15.9625

 45.8812, 41.5749,  
15.9625


361.0548,  
352.7177, 240.9585

 32.3563, 28.7686,  
9.3436


 83.2701, 77.5558,  
37.2990


 21.7907, 18.9058,  
4.8661


 107.8649,  
101.4993, 52.8536

 13.8189, 11.6022,  
2.1115


 136.8803,  
129.9238, 72.2238

 8.0757, 6.4735,  
0.6226

 170.6817,  
163.2139, 95.8282

 4.1956, 3.1351,  
0.0000

209.6345,  
201.7540, 124.0854

 1.8134, 1.2026,  
0.0000

254.1041,

 0.5257, 0.0639,

245.9284, 157.4138

0.0000

304.4557,  
296.1215, 196.2320

■ 0.0000, 0.0000,  
0.0000

■ 45.8812, 41.5749,  
15.9625

■ 45.8812, 41.5749,  
15.9625

■ 43.1215, 37.4329,  
10.7970

■ 49.1309, 46.2197,  
22.7641

■ 40.8162, 33.7659,  
7.1197

■ 52.8967, 51.3807,  
31.3271

■ 38.9286, 30.5522,  
4.7596

■ 57.2058, 57.0784,  
41.7675

■ 37.4027, 27.7602,  
3.4501

■ 62.0828, 63.3300,  
54.1904

■ 37.2674, 27.5087,  
3.3455

■ 67.5502, 70.1518,  
68.6930

■ 73.6296, 77.5595,  
85.3663

■ 80.3410, 85.5679,  
104.2956

■ 84.3849, 92.8638,  
108.0847

■ 85.4884, 95.0708,  
108.4525

# Harmonies

## Analogous

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



53.0139, 41.5749, 24.0231



45.8812, 41.5749, 15.9625



37.8220, 41.5749, 14.3598

# Triad

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



45.8812, 41.5749, 15.9625



26.2733, 41.5749, 50.3700



49.2484, 41.5749, 89.9668

# Complementary

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



45.8812, 41.5749, 15.9625



31.2990, 33.7124, 77.5302

# 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.



41.2592, 41.5749, 103.6421



45.8812, 41.5749, 15.9625



28.5284, 41.5749, 76.3576

# Square

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



45.8812, 41.5749, 15.9625



27.1677, 41.5749, 30.0549



33.7680, 41.5749, 97.9727



55.1318, 41.5749, 64.9043



# Rectangle

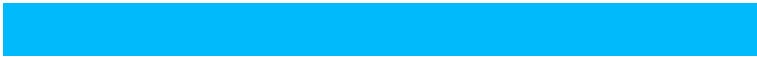
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8812, 41.5749, 15.9625



33.1230, 41.5749, 16.4478



33.7680, 41.5749, 97.9727



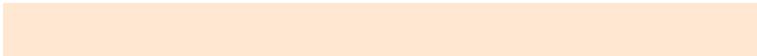
46.6821, 41.5749, 96.3709

# Sweetspot

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



45.8822, 41.5770, 15.9633



81.4397, 83.2257, 72.1584



42.1354, 26.7768, 37.2393



17.0123, 17.2831, 14.3568



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.



45.8822, 41.5770, 15.9633



55.3559, 47.5169, 12.7238



60.5164, 70.8453, 20.8414



14.9512, 15.5162, 15.1114



21.8504, 16.2749, 1.9897



1.7074, 1.3880, 0.1779



# Inverse Universe

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



31.2990, 33.7124, 77.5302



34.7201, 36.3737, 99.7986



22.4929, 16.1002, 74.5949



14.1935, 15.1083, 18.3125



11.9053, 10.8727, 43.8543



0.9727, 0.9893, 3.2717



# Previews

## White Background



This preview shows how the XYZ color 45.8812, 41.5749, 15.9625 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 45.8812, 41.5749, 15.9625 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

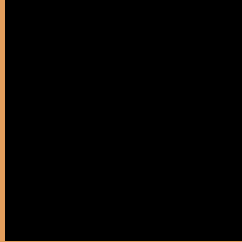
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 45.8812, 41.5749, 15.9625

## Background



This preview shows how black text looks on a background with the XYZ color 45.8812, 41.5749, 15.9625.



This preview shows how white text looks on a background with the XYZ color 45.8812, 41.5749,

15.9625.

# 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

45.8812, 41.5749, 15.9625

### Protanopia

38.3834, 41.7161, 17.5843

### Deuteranopia

42.4948, 41.6626, 15.6995



## Tritanopia

50.6181, 41.5417, 39.0687

# Trichromacy



## Original Color

45.8812, 41.5749, 15.9625

## Protanomaly

40.7426, 41.5463, 16.9382

## Deuteranomaly

43.4674, 41.3651, 15.8185

## Tritanomaly

48.4683, 41.3830, 28.7257

# Monochromacy



## Original Color

45.8812, 41.5749, 15.9625

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

40.0800, 40.3320, 31.6590

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8812, 41.5749, 15.9625 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(227, 158, 93)` looks like.

```
.text, #text, p{  
    color:rgb(227, 158, 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(227, 158, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 158, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8812, 41.5749, 15.9625 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(227, 158, 93) }
```



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

```
.border{ border-color:rgb(227, 158, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 158, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 158, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 158, 93);  
box-shadow:4px 4px 4px 4px rgb(227, 158,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8812, 41.5749, 15.9625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 158, 93) }
```

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

```
.background{ background-color: rgb(227,  
158, 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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