

Converting Colors

XYZ(38.9229, 29.3581, 6.8657)

Have a look what the booklet for
XYZ(38.9229, 29.3581, 6.8657)
contains.

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Color

**XYZ(38.9760, 29.4645,
6.8818)**

Conversions

Conversions Part 1

Format	Color
Hex	E47534
RGB	228, 117, 52
RGB Percent	89%, 46%, 20%
CMY	0.1059, 0.5411, 0.7961
CMYK	0.00, 0.49, 0.77, 0.11
HSL	22°, 77%, 55%
HSV	22°, 77%, 89%
XYZ	38.9760, 29.4645, 6.8818
YIQ	142.7790, 87.0210, 3.3170

Conversions

Conversions Part 2

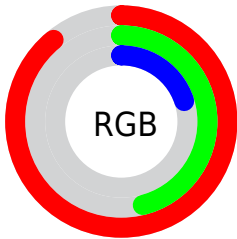
Format	Color
R_{YB}	228, 155, 52
Decimal	14972212
CIE Lab	61.19, 38.76, 53.42
CIE LCh	61, 65.997, 54.038
Yxy	29.4645, 0.5175, 0.3912
Android (android.graphics.Color)	4293162292 (0xFFE47534)
YUV	142.7790, -44.7540, 74.7388
Hunter-Lab	54.2812, 33.1778, 30.4800

Details

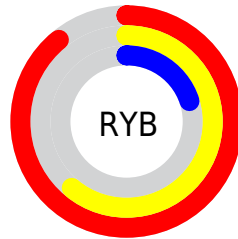
The XYZ color **38.9760, 29.4645, 6.8818** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **28.5159, 32.5238, 78.1729**, and the grayscale version is **26.1697, 27.5326, 29.9830**.

A 20% lighter version of the original color is **58.2511, 51.3651, 19.6763**, and **17.6741, 12.0034, 1.3854** is the 20% darker color. If you saturate the color by 10%, you get **37.0323, 26.2103, 4.2828**, and if you desaturate by 10%, it is **41.4261, 33.3356, 10.8722**.

Distribution



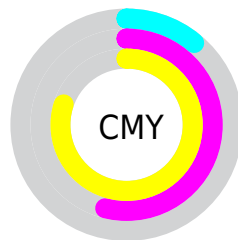
- Red (89%)
- Green (46%)
- Blue (20%)



- Red (89%)
- Yellow (61%)
- Blue (20%)



- Cyan (0%)
- Magenta (49%)
- Yellow (77%)
- Black (11%)





- Cyan (11%)
- Magenta (54%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9760, 29.4645, 6.8818 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 38.9760, 29.4645, 6.8818 by changing the saturation by 10% instead.


 38.9760, 29.4645,
6.8818


 38.9760, 29.4645,
6.8818

332.9974,
299.4003, 176.2714

 26.9217, 19.4325,
3.3110


 72.8960, 58.8143,
20.2438


 17.6507, 11.9832,
1.2555


 95.4923, 78.9008,
30.8721


 10.7977, 6.7322,
0.0249


 122.3334,
103.1077, 44.6899

 5.9972, 3.2952,
0.0000

 153.7846,
131.8192, 62.1159

 2.8840, 1.2877,
0.0000

 190.2112,
165.4199, 83.5684

 1.0927, 0.1317,
0.0000

 231.9787,

 0.0190, 0.0000,

204.2940, 109.4662

0.0000

279.4523,
248.8260, 140.2277

■ 0.0000, 0.0000,
0.0000

■ 38.9760, 29.4645,
6.8818

■ 38.9760, 29.4645,
6.8818

■ 37.0323, 26.2103,
4.2828

■ 41.4261, 33.3356,
10.8722

■ 35.5400, 23.5284,
2.8521


■ 44.4231, 37.8535,
16.4221


■ 35.1815, 22.8675,
2.5596


■ 48.0049, 43.0511,
23.6770

■ 52.2050, 48.9574,
32.7651

■ 57.0540, 55.5996,
43.8020

 62.5804, 63.0033,
56.8939

 68.8109, 71.1929,
72.1391

 75.7707, 80.1914,
89.6297

 83.1269, 89.8784,
107.5748

Harmonies

Analogous

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



46.1488, 29.4645, 16.3029



38.9760, 29.4645, 6.8818



29.7720, 29.4645, 4.1757

Triad

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



38.9760, 29.4645, 6.8818



14.4850, 29.4645, 27.3755



35.3569, 29.4645, 98.3918

Complementary

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



38.9760, 29.4645, 6.8818



28.5159, 32.5238, 78.1729

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.



26.3096, 29.4645, 106.8139



38.9760, 29.4645, 6.8818



15.3759, 29.4645, 55.7154

Square

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



38.9760, 29.4645, 6.8818



16.5659, 29.4645, 11.4236



19.3143, 29.4645, 88.2941



43.7757, 29.4645, 69.0645

Rectangle

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



38.9760, 29.4645, 6.8818



24.1540, 29.4645, 4.4827



19.3143, 29.4645, 88.2941



32.2452, 29.4645, 104.2323

Sweetspot

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



38.9767, 29.4661, 6.8823



76.3184, 75.4108, 62.9670



39.8755, 21.6111, 36.9398



15.8002, 15.4200, 12.2230



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.



38.9767, 29.4661, 6.8823



46.4447, 31.4967, 4.1974



54.3342, 60.1813, 12.0015



14.8108, 15.2355, 15.0646



20.4192, 13.4125, 1.5127



1.5954, 1.1641, 0.1406

Inverse Universe

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



28.5159, 32.5238, 78.1729



32.1902, 35.1342, 99.6927



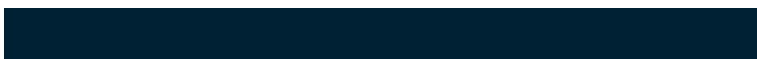
17.9677, 11.4275, 74.6569



14.3366, 15.3945, 18.3602



13.9435, 14.9491, 44.5337



1.1185, 1.2808, 3.3202

Previews

White Background



This preview shows how the XYZ color 38.9760, 29.4645, 6.8818 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9760, 29.4645, 6.8818 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 × Fail

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

XYZ 38.9760, 29.4645, 6.8818

Background



This preview shows how black text looks on a background with the XYZ color 38.9760, 29.4645, 6.8818.



This preview shows how white text looks on a background with the XYZ color 38.9760, 29.4645,

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

38.9760, 29.4645, 6.8818

Protanopia

26.9493, 29.5161, 8.6917

Deuteranopia

30.2482, 29.6783, 6.6169



Tritanopia

41.8009, 29.4488, 20.6206

Trichromacy



Original Color

38.9760, 29.4645, 6.8818

Protanomaly

30.4484, 28.8882, 7.9742

Deuteranomaly

32.8722, 29.1334, 6.6871

Tritanomaly

40.5586, 29.4414, 14.1348

Monochromacy



Original Color

38.9760, 29.4645, 6.8818

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.7951, 27.1747, 18.4794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9760, 29.4645, 6.8818 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, 117, 52)` looks like.

```
.text, #text, p{  
    color:rgb(228, 117, 52)  
}
```

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, 117, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 117, 52) }
```

Border

The CSS property to change the border of an element to XYZ 38.9760, 29.4645, 6.8818 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, 117, 52) }
```


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

```
.border{ border-color:rgb(228, 117, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 117, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 117, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 117, 52);  
box-shadow:4px 4px 4px 4px rgb(228, 117,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9760, 29.4645, 6.8818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 117, 52) }
```

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

```
.background{ background-color: rgb(228,  
117, 52) }
```

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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