

Converting Colors

XYZ(37.1445, 27.0347, 4.0536)

Have a look what the booklet for
XYZ(37.1445, 27.0347, 4.0536)
contains.

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Color

**XYZ(37.1958, 27.1179,
4.0845)**

Conversions

Conversions Part 1

Format	Color
Hex	E36C17
RGB	227, 108, 23
RGB Percent	89%, 42%, 9%
CMY	0.1098, 0.5764, 0.9098
CMYK	0.00, 0.52, 0.90, 0.11
HSL	25°, 82%, 49%
HSV	25°, 90%, 89%
XYZ	37.1958, 27.1179, 4.0845
YIQ	133.8910, 98.2090, -1.2070

Conversions

Conversions Part 2

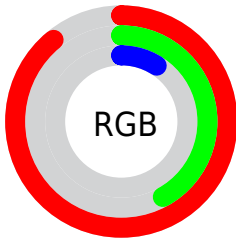
Format	Color
R _Y B	227, 169, 23
Decimal	14904343
CIE _{Lab}	59.08, 42.09, 62.50
CIE _{LCh}	59, 75.354, 56.043
Yxy	27.1179, 0.5438, 0.3965
Android (android.graphics.Color)	4293094423 (0xFFE36C17)
YUV	133.8910, -54.6693, 81.6566
Hunter-Lab	52.0748, 36.3672, 31.8020

Details

The XYZ color **37.1958, 27.1179, 4.0845** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **23.8909, 25.0731, 76.2529**, and the grayscale version is **22.7903, 23.9771, 26.1111**.

A 20% lighter version of the original color is **55.5355, 47.6507, 13.4782**, and **16.7240, 10.7209, 1.1879** is the 20% darker color. If you saturate the color by 10%, you get **35.7512, 24.4739, 2.8484**, and if you desaturate by 10%, it is **39.0333, 30.2610, 6.3380**.

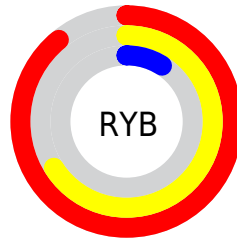
Distribution



Red (89%)

Green (42%)

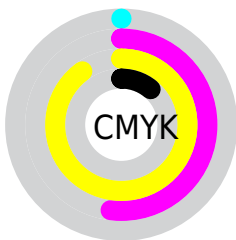
Blue (9%)



Red (89%)

Yellow (66%)

Blue (9%)

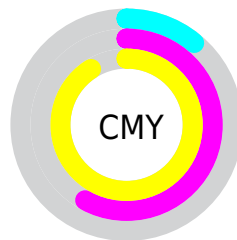


Cyan (0%)

Magenta (52%)

Yellow (90%)

Black (11%)



Cyan (11%)


Magenta (58%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1958, 27.1179, 4.0845 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 37.1958, 27.1179, 4.0845 by changing the saturation by 10% instead.


 37.1958, 27.1179,
4.0845


 37.1958, 27.1179,
4.0845


325.4983,
288.2275, 149.1600

 25.5335, 17.6618,
1.6718


 70.1857, 55.0730,
14.2042

 16.6058, 10.7074,
0.3413

 92.2440, 74.3408,
22.7482


 10.0474, 5.8705,
0.0000


 118.4984, 97.6479,
34.1732

 5.4929, 2.7665,
0.0000

 149.3141,
125.3788, 48.8976

 2.5770, 1.0111,
0.0000

 185.0566,
157.9178, 67.3399

 0.9342, 0.0000,
0.0000

 226.0913,

 0.0000, 0.0000,

195.6493, 89.9187

0.0000

272.7834,
238.9577, 117.0526

37.1958, 27.1179,
4.0845

37.1958, 27.1179,
4.0845

35.7512, 24.4739,
2.8484

39.0333, 30.2610,
6.3380

35.7336, 24.4413,
2.8343

41.3270, 33.9390,
9.9065

44.1189, 38.1834,
14.9660

47.4444, 43.0211,
21.6646

51.3354, 48.4771,
30.1323

■ 55.8208, 54.5746,
40.4858

■ 60.9275, 61.3354,
52.8317

■ 66.6804, 68.7802,
67.2688

■ 73.1030, 76.9287,
83.8890

Harmonies

Analogous

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



45.5705, 27.1179, 12.1813



37.1958, 27.1179, 4.0845



27.0372, 27.1179, 2.1766

Triad

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



37.1958, 27.1179, 4.0845



11.6627, 27.1179, 26.1097



34.5149, 27.1179, 104.3053

Complementary

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



37.1958, 27.1179, 4.0845



23.8909, 25.0731, 76.2529

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.



24.5522, 27.1179, 116.6187



37.1958, 27.1179, 4.0845



12.7468, 27.1179, 58.4433

Square

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



37.1958, 27.1179, 4.0845



13.5397, 27.1179, 9.0753



16.9695, 27.1179, 96.2681



43.7780, 27.1179, 68.7069

Rectangle

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



37.1958, 27.1179, 4.0845



21.1125, 27.1179, 2.5251



16.9695, 27.1179, 96.2681



31.0773, 27.1179, 111.9715

Sweetspot

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



37.1964, 27.1194, 4.0850



74.3784, 73.3306, 56.7721



36.8674, 18.8968, 27.2961



15.4554, 15.0743, 11.0477



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.



37.1964, 27.1194, 4.0850



46.4205, 31.6210, 3.6568



54.8795, 62.4857, 9.9793



14.8679, 15.3498, 15.0836



20.9492, 14.4726, 1.6894



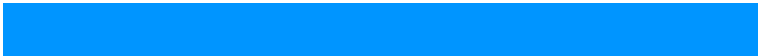
1.6380, 1.2494, 0.1548

Inverse Universe

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



23.8909, 25.0731, 76.2529



28.7569, 28.6338, 98.6190



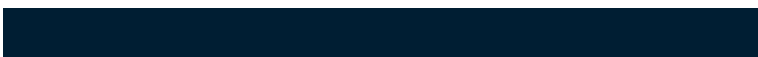
14.9774, 7.2461, 73.2817



14.2778, 15.2770, 18.3406



13.0486, 13.1594, 44.2354



1.0555, 1.1549, 3.2993

Previews

White Background



This preview shows how the XYZ color 37.1958, 27.1179, 4.0845 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 37.1958, 27.1179, 4.0845 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 37.1958, 27.1179, 4.0845

Background



This preview shows how black text looks on a background with the XYZ color 37.1958, 27.1179, 4.0845.



This preview shows how white text looks on a background with the XYZ color 37.1958, 27.1179,

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

37.1958, 27.1179, 4.0845

Protanopia

24.5804, 27.2228, 5.3255

Deuteranopia

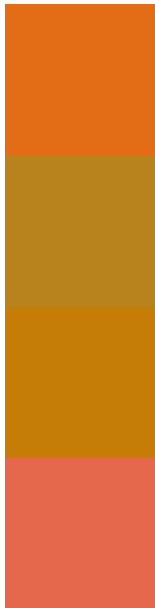
27.4864, 27.0312, 3.7689



Tritanopia

39.9406, 27.1919, 17.0534

Trichromacy



Original Color

37.1958, 27.1179, 4.0845

Protanomaly

27.9716, 26.2443, 4.7538

Deuteranomaly

30.4034, 26.5551, 3.7529

Tritanomaly

38.5679, 27.0804, 10.0318

Monochromacy



Original Color

37.1958, 27.1179, 4.0845

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.5024, 23.8002, 13.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1958, 27.1179, 4.0845 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, 108, 23)` looks like.

```
.text, #text, p{  
    color:rgb(227, 108, 23)  
}
```

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, 108, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 108, 23) }
```

Border

The CSS property to change the border of an element to XYZ 37.1958, 27.1179, 4.0845 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, 108, 23) }
```


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

```
.border{ border-color:rgb(227, 108, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 108, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 108, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 108, 23);  
box-shadow:4px 4px 4px 4px rgb(227, 108,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1958, 27.1179, 4.0845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 108, 23) }
```

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

```
.background{ background-color: rgb(227,  
108, 23) }
```

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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