

Converting Colors

XYZ(36.8383, 27.8588, 3.4357)

Have a look what the booklet for
XYZ(36.8383, 27.8588, 3.4357)
contains.

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Color

**XYZ(36.7578, 27.8819,
3.4444)**

Conversions

Conversions Part 1

Format	Color
Hex	E07200
RGB	224, 114, 0
RGB Percent	88%, 45%, 0%
CMY	0.1216, 0.5529, 1.0000
CMYK	0.00, 0.49, 1.00, 0.12
HSL	31°, 100%, 44%
HSV	31°, 100%, 88%
XYZ	36.7578, 27.8819, 3.4444
YIQ	133.8940, 102.1540, -12.1340

Conversions

Conversions Part 2

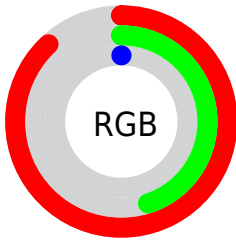
Format	Color
R _Y B	216, 224, 0
Decimal	14709248
CIE Lab	59.78, 37.64, 67.41
CIE LCh	60, 77.202, 60.822
Yxy	27.8819, 0.5399, 0.4095
Android (android.graphics.Color)	4292899328 (0xFFE07200)
YUV	133.8940, -66.0097, 79.0230
Hunter-Lab	52.8033, 31.8528, 33.0948

Details

The XYZ color **36.7578, 27.8819, 3.4444** 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 **19.0305, 16.5337, 72.7088**, and the grayscale version is **22.8308, 24.0198, 26.1576**.

A 20% lighter version of the original color is **56.1021, 49.3148, 12.0306**, and **16.4754, 11.1321, 1.2804** is the 20% darker color. If you saturate the color by 10%, you get **36.7579, 27.8826, 3.4445**, and if you desaturate by 10%, it is **38.2235, 30.5756, 4.6669**.

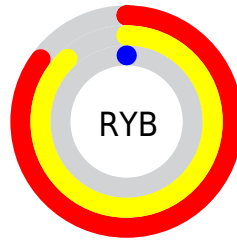
Distribution



Red (88%)

Green (45%)

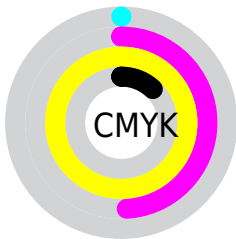
Blue (0%)



Red (85%)

Yellow (88%)

Blue (0%)

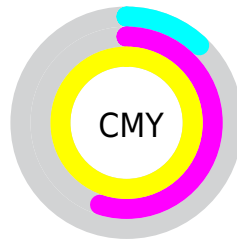


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7578, 27.8819, 3.4444 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 36.7578, 27.8819, 3.4444 by changing the saturation by 10% instead.


 36.7578, 27.8819,
3.4444


 36.7578, 27.8819,
3.4444


323.6345,
291.9022, 141.8338


 25.1928, 18.2367,
1.3258


 69.5164, 56.2958,
12.7066


 16.3503, 11.1200,
0.0828


 91.4407, 75.8333,
20.6873

 9.8648, 6.1476,
0.0000


 117.5489, 99.4370,
31.4592

 5.3710, 2.9351,
0.0000

 148.2062,
127.4913, 45.4406

 2.5035, 1.0979,
0.0000

 183.7781,
160.3805, 63.0503


 0.8970, 0.0000,
0.0000


 224.6298,


 0.0000, 0.0000,


198.4892, 84.7066


0.0000


 271.1269,
242.2016, 110.8283


 36.7578, 27.8819,
3.4444


 36.7578, 27.8819,
3.4444


 36.7579, 27.8826,
3.4445

 38.2235, 30.5756,
4.6669

 40.0153, 33.6453,
6.8484

 42.1942, 37.1242,
10.2847

 44.7968, 41.0343,
15.1448

 47.8542, 45.3950,
21.5713

■ 51.3940, 50.2242,
29.6889

■ 55.4413, 55.5384,
39.6099

■ 60.0193, 61.3531,
51.4367

■ 65.1496, 67.6831,
65.2639

Harmonies

Analogous

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



46.1341, 27.8819, 10.2911



36.7578, 27.8819, 3.4444



26.2324, 27.8819, 2.0800

Triad

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



36.7578, 27.8819, 3.4444



11.8029, 27.8819, 31.1369



37.3413, 27.8819, 103.9879

Complementary

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



36.7578, 27.8819, 3.4444



19.0305, 16.5337, 72.7088

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.



26.7713, 27.8819, 122.2179



36.7578, 27.8819, 3.4444



13.4181, 27.8819, 67.1208

Square

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



36.7578, 27.8819, 3.4444



13.2476, 27.8819, 10.9548



18.3551, 27.8819, 105.7513



46.5251, 27.8819, 64.8778

Rectangle

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



36.7578, 27.8819, 3.4444



20.3671, 27.8819, 2.7246



18.3551, 27.8819, 105.7513



33.7569, 27.8819, 113.5511

Sweetspot

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



36.7584, 27.8834, 3.4449



74.2511, 74.3444, 52.8196



33.6652, 17.0173, 16.8406



15.3824, 15.2488, 10.0356



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.



36.7584, 27.8834, 3.4449



49.1935, 37.1671, 4.5812



57.3958, 69.1581, 10.3240



14.2810, 14.8480, 14.4200



21.5114, 16.4607, 2.0435



1.5806, 1.3201, 0.1715

Inverse Universe

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



19.0305, 16.5337, 72.7088



25.4114, 21.9427, 97.5038



13.4546, 5.3820, 70.8502



13.5050, 14.3491, 17.4456



11.1914, 9.8524, 42.3602



0.8652, 0.8618, 2.9660

Previews

White Background



This preview shows how the XYZ color 36.7578, 27.8819, 3.4444 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 36.7578, 27.8819, 3.4444 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 36.7578, 27.8819, 3.4444

Background



This preview shows how black text looks on a background with the XYZ color 36.7578, 27.8819, 3.4444.



This preview shows how white text looks on a background with the XYZ color 36.7578, 27.8819,

3.4444.

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

36.7578, 27.8819, 3.4444

Protanopia

25.3472, 28.0843, 4.7010

Deuteranopia

28.4741, 27.9586, 3.8958



Tritanopia

39.8132, 27.8312, 18.8964

Trichromacy



Original Color

36.7578, 27.8819, 3.4444

Protanomaly

28.5990, 27.3910, 4.1275

Deuteranomaly

31.1390, 27.7063, 3.7066

Tritanomaly

38.0024, 27.5739, 9.4502

Monochromacy



Original Color

36.7578, 27.8819, 3.4444

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.1654, 24.0501, 11.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7578, 27.8819, 3.4444 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(224, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 114, 0)  
}
```

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(224, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.7578, 27.8819, 3.4444 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(224, 114, 0) }
```


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

```
.border{ border-color:rgb(224, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 114,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7578, 27.8819, 3.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 114, 0) }
```

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

```
.background{ background-color: rgb(224,  
114, 0) }
```

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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