

Converting Colors

XYZ(36.4603, 24.4773, 2.8029)

Have a look what the booklet for
XYZ(36.4603, 24.4773, 2.8029)
contains.

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Color

**XYZ(36.4603, 24.4773,
2.8029)**

Conversions

Conversions Part 1

Format	Color
Hex	E65C00
RGB	230, 92, 0
RGB Percent	90%, 36%, 0%
CMY	0.0980, 0.6392, 1.0000
CMYK	0.00, 0.60, 1.00, 0.10
HSL	24°, 100%, 45%
HSV	24°, 100%, 90%
XYZ	36.4603, 24.4773, 2.8029
YIQ	122.7740, 111.7800, 0.6440

Conversions

Conversions Part 2

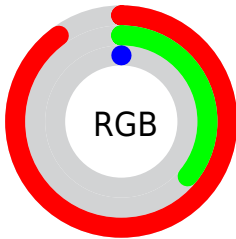
Format	Color
R_{YB}	230, 153, 0
Decimal	15096832
CIE Lab	56.56, 50.53, 66.05
CIE LCh	57, 83.165, 52.585
Yxy	24.4773, 0.5720, 0.3840
Android (android.graphics.Color)	4293286912 (0xFFE65C00)
YUV	122.7740, -60.5276, 94.0372
Hunter-Lab	49.4745, 44.9653, 31.2732

Details

The XYZ color **36.4603, 24.4773, 2.8029** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **23.3706, 23.8886, 78.2416**, and the grayscale version is **18.9208, 19.9061, 21.6778**.

A 20% lighter version of the original color is **52.4730, 42.1994, 10.3807**, and **16.3568, 9.3687, 0.9463** is the 20% darker color. If you saturate the color by 10%, you get **36.4606, 24.4782, 2.8031**, and if you desaturate by 10%, it is **37.9219, 27.1533, 4.0533**.

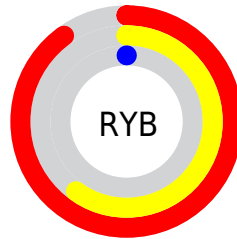
Distribution



Red (90%)

Green (36%)

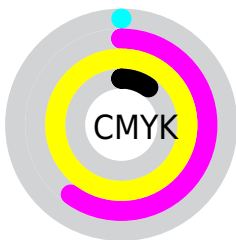
Blue (0%)



Red (90%)

Yellow (60%)

Blue (0%)

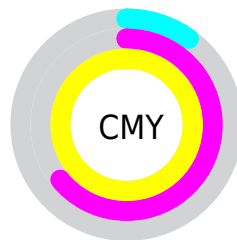


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4603, 24.4773, 2.8029 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 36.4603, 24.4773, 2.8029 by changing the saturation by 10% instead.


 36.4603, 24.4773,
2.8029


 36.4603, 24.4773,
2.8029


322.3642,
275.2247, 133.8093


 24.9617, 15.6881,
0.9949


 69.0612, 50.8080,
11.1381


 16.1771, 9.3037,
0.0000


 90.8941, 69.1182,
18.5023


 9.7412, 4.9398,
0.0000


 116.9025, 91.3709,
28.5558

 5.2886, 2.2120,
0.0000

 147.4518,
117.9504, 41.7169

 2.4541, 0.7265,
0.0000

 182.9072,
149.2411, 58.4043


 0.8722, 0.0000,
0.0000


 223.6342,


 0.0000, 0.0000,


185.6275, 79.0364


0.0000


 269.9981,
227.4939, 104.0319


 36.4603, 24.4773,
2.8029


 36.4603, 24.4773,
2.8029


 36.4606, 24.4782,
2.8031

 37.9219, 27.1533,
4.0533

 39.7955, 30.3589,
6.3476

 42.1505, 34.1393,
9.9989

 45.0306, 38.5272,
15.1893

 48.4734, 43.5524,
22.0725

■ 52.5126, 49.2419,
30.7832

■ 57.1788, 55.6213,
41.4424

■ 62.5003, 62.7143,
54.1605

■ 68.5036, 70.5437,
69.0397

Harmonies

Analogous

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



44.9510, 24.4773, 11.0069



36.4603, 24.4773, 2.8029



25.7430, 24.4773, 1.0551

Triad

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



36.4603, 24.4773, 2.8029



9.2878, 24.4773, 20.3642



31.1450, 24.4773, 112.0067

Complementary

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



36.4603, 24.4773, 2.8029



23.3706, 23.8886, 78.2416

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.



20.9512, 24.4773, 121.7331



36.4603, 24.4773, 2.8029



9.9924, 24.4773, 52.7190

Square

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



36.4603, 24.4773, 2.8029



11.4187, 24.4773, 5.6456



13.7128, 24.4773, 95.0771



41.3371, 24.4773, 73.7426

Rectangle

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



36.4603, 24.4773, 2.8029



19.4510, 24.4773, 1.1548



13.7128, 24.4773, 95.0771



27.5475, 24.4773, 119.4554

Sweetspot

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



36.4608, 24.4787, 2.8033



72.1517, 70.1456, 52.1198



37.2205, 18.6580, 25.6849



14.8883, 14.2606, 9.8709



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.



36.4608, 24.4787, 2.8033



45.9921, 30.7642, 3.5140



54.9457, 61.4484, 8.9649



14.8478, 15.3095, 15.0769



20.7541, 14.0824, 1.6243



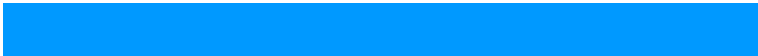
1.6225, 1.2184, 0.1497

Inverse Universe

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



23.3706, 23.8886, 78.2416



29.4401, 30.0001, 98.8467



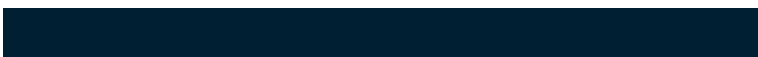
14.5894, 6.3261, 75.3145



14.2984, 15.3183, 18.3474



13.3538, 13.7697, 44.3372



1.0771, 1.1982, 3.3065

Previews

White Background



This preview shows how the XYZ color 36.4603, 24.4773, 2.8029 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 36.4603, 24.4773, 2.8029 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 36.4603, 24.4773, 2.8029

Background



This preview shows how black text looks on a background with the XYZ color 36.4603, 24.4773, 2.8029.



This preview shows how white text looks on a background with the XYZ color 36.4603, 24.4773,

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

36.4603, 24.4773, 2.8029

Protanopia

22.2372, 24.7255, 4.4111

Deuteranopia

24.8635, 24.4712, 3.4130



Tritanopia

38.4948, 24.5667, 12.6105

Trichromacy



Original Color

36.4603, 24.4773, 2.8029

Protanomaly

25.9797, 23.5330, 3.6250

Deuteranomaly

28.2377, 23.8282, 3.1110

Tritanomaly

37.2084, 24.2739, 6.7272

Monochromacy



Original Color

36.4603, 24.4773, 2.8029

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.0696, 19.8198, 9.8701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4603, 24.4773, 2.8029 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(230, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 92, 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(230, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.4603, 24.4773, 2.8029 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(230, 92, 0) }
```


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

```
.border{ border-color:rgb(230, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.4603, 24.4773, 2.8029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 92, 0) }
```

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

```
.background{ background-color: rgb(230, 92,  
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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