

Converting Colors

XYZ(36.6763, 24.5736, 3.9088)

Have a look what the booklet for
XYZ(36.6763, 24.5736, 3.9088)
contains.

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Color

**XYZ(36.6699, 24.5611,
3.9067)**

Conversions

Conversions Part 1

Format	Color
Hex	E65C1C
RGB	230, 92, 28
RGB Percent	90%, 36%, 11%
CMY	0.0980, 0.6392, 0.8902
CMYK	0.00, 0.60, 0.88, 0.10
HSL	19°, 80%, 51%
HSV	19°, 88%, 90%
XYZ	36.6699, 24.5611, 3.9067
YIQ	125.9660, 102.7920, 9.3520

Conversions

Conversions Part 2

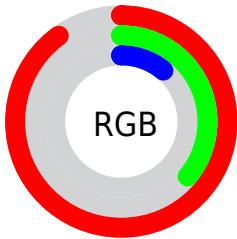
Format	Color
R_{YB}	230, 122, 28
Decimal	15096860
CIE _{Lab}	56.65, 50.87, 59.29
CIE _{LCh}	57, 78.117, 49.370
Yxy	24.5611, 0.5630, 0.3771
Android (android.graphics.Color)	4293286940 (0xFFE65C1C)
YUV	125.9660, -48.2972, 91.2378
Hunter-Lab	49.5592, 45.3475, 30.0176

Details

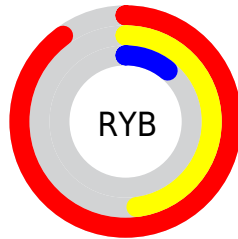
The XYZ color **36.6699, 24.5611, 3.9067** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **28.3969, 33.2303, 79.7798**, and the grayscale version is **19.9553, 20.9945, 22.8630**.

A 20% lighter version of the original color is **52.9669, 42.3970, 12.9812**, and **16.3568, 9.3687, 0.9463** is the 20% darker color. If you saturate the color by 10%, you get **35.2652, 22.0437, 2.5398**, and if you desaturate by 10%, it is **38.5637, 27.7282, 6.4519**.

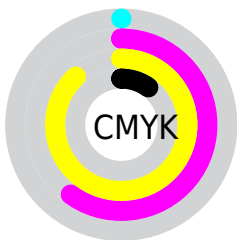
Distribution



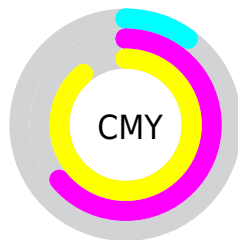
- Red (90%)
- Green (36%)
- Blue (11%)



- Red (90%)
- Yellow (48%)
- Blue (11%)



- Cyan (0%)
- Magenta (60%)
- Yellow (88%)
- Black (10%)





- Cyan (10%)
- Magenta (64%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6699, 24.5611, 3.9067 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 36.6699, 24.5611, 3.9067 by changing the saturation by 10% instead.


 36.6699, 24.5611,
3.9067


 36.6699, 24.5611,
3.9067


323.2596,
275.6451, 147.1826


 25.1245, 15.7504,
1.5743


 69.3819, 50.9443,
13.7940

 16.2991, 9.3477,
0.2724


 91.2793, 69.2856,
22.1860

 9.8282, 4.9686,
0.0000


 117.3580, 91.5724,
33.4349

 5.3466, 2.2289,
0.0000

 147.9834,
118.1893, 47.9593

 2.4889, 0.7357,
0.0000

 183.5210,
149.5207, 66.1778

 0.8896, 0.0000,
0.0000

 224.3359,

 0.0000, 0.0000,

185.9508, 88.5088

0.0000

270.7937,
227.8641, 115.3709

36.6699, 24.5611,
3.9067

36.6699, 24.5611,
3.9067

35.2652, 22.0437,
2.5398

38.5637, 27.7282,
6.4519

35.0075, 21.5720,
2.3187

41.0058, 31.5908,
10.4155

44.0443, 36.1932,
15.9746

47.7208, 41.5741,
23.2796

52.0727, 47.7693,
32.4636

■ 57.1343, 54.8125,
43.6463

■ 62.9374, 62.7349,
56.9375

■ 69.5119, 71.5665,
72.4391

■ 76.8858, 81.3355,
90.2462

Harmonies

Analogous

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



44.0109, 24.5611, 13.3433



36.6699, 24.5611, 3.9067



26.7181, 24.5611, 1.5502

Triad

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



36.6699, 24.5611, 3.9067



10.0391, 24.5611, 18.5339



29.6321, 24.5611, 107.1702

Complementary

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



36.6699, 24.5611, 3.9067



28.3969, 33.2303, 79.7798

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.



20.2677, 24.5611, 112.2271



36.6699, 24.5611, 3.9067



10.4368, 24.5611, 47.0084

Square

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



36.6699, 24.5611, 3.9067



12.4369, 24.5611, 5.6013



13.7157, 24.5611, 85.5289



39.2733, 24.5611, 74.3500

Rectangle

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



36.6699, 24.5611, 3.9067



20.6140, 24.5611, 1.5218



13.7157, 24.5611, 85.5289



26.3063, 24.5611, 112.7249

Sweetspot

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



36.6704, 24.5625, 3.9071



73.3674, 70.8703, 57.7860



39.9343, 20.4080, 37.9270



15.1927, 14.4651, 11.2184



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.



36.6704, 24.5625, 3.9071



44.1676, 27.1152, 2.9059



51.9052, 55.0319, 8.9853



14.7478, 15.1096, 15.0436



19.9165, 12.4072, 1.3451



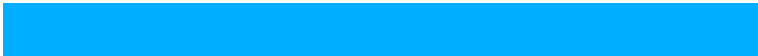
1.5529, 1.0791, 0.1264

Inverse Universe

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



28.3969, 33.2303, 79.7798



33.2246, 37.5693, 100.1082



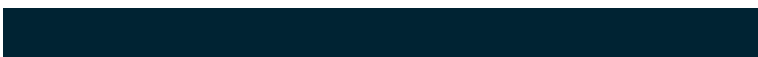
16.6542, 9.7448, 75.8656



14.4021, 15.5257, 18.3820



15.0383, 17.1387, 44.8987



1.1939, 1.4317, 3.3454

Previews

White Background



This preview shows how the XYZ color 36.6699, 24.5611, 3.9067 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 36.6699, 24.5611, 3.9067 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 36.6699, 24.5611, 3.9067

Background



This preview shows how black text looks on a background with the XYZ color 36.6699, 24.5611, 3.9067.



This preview shows how white text looks on a background with the XYZ color 36.6699, 24.5611,

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

36.6699, 24.5611, 3.9067

Protanopia

22.4487, 24.8101, 5.5251

Deuteranopia

24.8635, 24.4712, 3.4130



Tritanopia

38.4948, 24.5667, 12.6105

Trichromacy



Original Color

36.6699, 24.5611, 3.9067

Protanomaly

26.1968, 23.6199, 4.7685

Deuteranomaly

28.2925, 23.8502, 3.3995

Tritanomaly

37.4881, 24.3857, 8.1999

Monochromacy



Original Color

36.6699, 24.5611, 3.9067

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

23.1726, 20.6653, 12.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6699, 24.5611, 3.9067 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(230, 92, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 92, 28) }
```

Border

The CSS property to change the border of an element to XYZ 36.6699, 24.5611, 3.9067 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, 28) }
```


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

```
.border{ border-color:rgb(230, 92, 28) }
```

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, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 92, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 92, 28);  
box-shadow:4px 4px 4px 4px rgb(230, 92,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6699, 24.5611, 3.9067 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, 28) }
```

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

```
.background{ background-color: rgb(230, 92,  
28) }
```

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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