

Converting Colors

XYZ(35.7717, 23.3869, 2.9936)

Have a look what the booklet for
XYZ(35.7717, 23.3869, 2.9936)
contains.

XYZ(35.7135, 23.3426, 3.0040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.7135, 23.3426,
3.0040)**

Conversions

Conversions Part 1

Format	Color
Hex	E5560D
RGB	229, 86, 13
RGB Percent	90%, 34%, 5%
CMY	0.1020, 0.6627, 0.9490
CMYK	0.00, 0.62, 0.94, 0.10
HSL	20°, 89%, 47%
HSV	20°, 94%, 90%
XYZ	35.7135, 23.3426, 3.0040
YIQ	120.4350, 108.6610, 7.6130

Conversions

Conversions Part 2

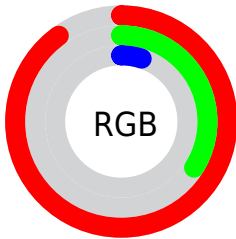
Format	Color
RYB	229, 123, 13
Decimal	15029773
CIELab	55.42, 52.94, 62.71
CIELCh	55, 82.070, 49.828
Yxy	23.3426, 0.5755, 0.3761
Android (android.graphics.Color)	4293219853 (0xFFE5560D)
YUV	120.4350, -52.9655, 95.2115
Hunter-Lab	48.3142, 47.3961, 30.1335

Details

The XYZ color **35.7135, 23.3426, 3.0040** 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 **26.1961, 29.5173, 78.4449**, and the grayscale version is **18.1335, 19.0778, 20.7758**.

A 20% lighter version of the original color is **51.8704, 40.7519, 10.9264**, and **15.9090, 8.7832, 0.8568** is the 20% darker color. If you saturate the color by 10%, you get **34.9949, 22.0219, 2.4062**, and if you desaturate by 10%, it is **37.2999, 26.1248, 4.7380**.

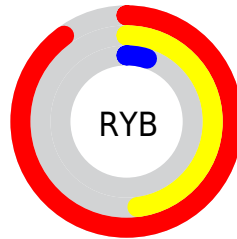
Distribution



Red (90%)

Green (34%)

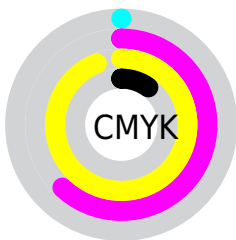
Blue (5%)



Red (90%)

Yellow (48%)

Blue (5%)

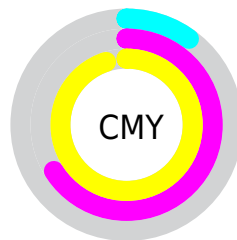


Cyan (0%)

Magenta (62%)

Yellow (94%)

Black (10%)



Cyan (10%)


Magenta (66%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7135, 23.3426, 3.0040 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 35.7135, 23.3426, 3.0040 by changing the saturation by 10% instead.


 35.7135, 23.3426,
3.0040


 35.7135, 23.3426,
3.0040


319.1597,
269.4798, 136.4115


 24.3821, 14.8467,
1.0967


 67.9164, 48.9553,
11.6383


 15.7436, 8.7119,
0.0000


 89.5186, 66.8408,
19.2024


 9.4326, 4.5537,
0.0000


 115.2751, 88.6250,
29.4891

 5.0837, 1.9879,
0.0000

 145.5513,
114.6923, 42.9170

 2.3317, 0.6004,
0.0000

 180.7125,
145.4270, 59.9047


 0.8108, 0.0000,
0.0000


 221.1240,


 0.0000, 0.0000,


181.2136, 80.8706


0.0000


 267.1513,
222.4364, 106.2334


 35.7135, 23.3426,
3.0040


 35.7135, 23.3426,
3.0040


 34.9949, 22.0219,
2.4062

 37.2999, 26.1248,
4.7380

 39.3805, 29.5383,
7.7368

 42.0066, 33.6267,
12.2001

 45.2214, 38.4279,
18.2917

 49.0630, 43.9764,
26.1532

■ 53.5661, 50.3045,
35.9109

■ 58.7627, 57.4421,
47.6791

■ 64.6822, 65.4177,
61.5632

■ 71.3527, 74.2583,
77.6610

Harmonies

Analogous

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



43.4136, 23.3426, 11.7822



35.7135, 23.3426, 3.0040



25.4697, 23.3426, 1.0348

Triad

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



35.7135, 23.3426, 3.0040



8.9036, 23.3426, 17.4569



28.7657, 23.3426, 109.4520

Complementary

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



35.7135, 23.3426, 3.0040



26.1961, 29.5173, 78.4449

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.



19.1982, 23.3426, 115.4177



35.7135, 23.3426, 3.0040



9.3309, 23.3426, 46.8433

Square

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



35.7135, 23.3426, 3.0040



11.2026, 23.3426, 4.7090



12.5960, 23.3426, 87.3755



38.6938, 23.3426, 74.3087

Rectangle

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



35.7135, 23.3426, 3.0040



19.2934, 23.3426, 1.0286



12.5960, 23.3426, 87.3755



25.3551, 23.3426, 115.5628

Sweetspot

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



35.7140, 23.3440, 3.0044



72.3407, 69.6856, 54.7658



38.5426, 19.3801, 33.6078



14.8763, 14.0792, 10.3518



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.



35.7140, 23.3440, 3.0044



44.5829, 27.9458, 3.0443



51.4554, 54.8268, 8.2515



14.7731, 15.1601, 15.0520



20.1084, 12.7909, 1.4091



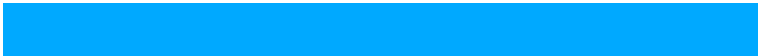
1.5694, 1.1121, 0.1319

Inverse Universe

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



26.1961, 29.5173, 78.4449



32.2028, 35.5256, 99.7676



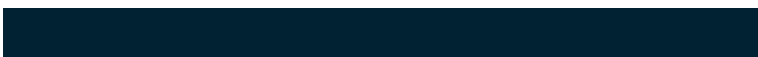
15.4072, 7.9395, 74.8486



14.3757, 15.4728, 18.3732



14.5844, 16.2309, 44.7474



1.1628, 1.3695, 3.3350

Previews

White Background



This preview shows how the XYZ color 35.7135, 23.3426, 3.0040 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 35.7135, 23.3426, 3.0040 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 35.7135, 23.3426, 3.0040

Background



This preview shows how black text looks on a background with the XYZ color 35.7135, 23.3426, 3.0040.



This preview shows how white text looks on a background with the XYZ color 35.7135, 23.3426,

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

35.7135, 23.3426, 3.0040

Protanopia

21.3006, 23.6134, 4.4721

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

37.4634, 23.3821, 11.1330

Trichromacy



Original Color

35.7135, 23.3426, 3.0040

Protanomaly

25.0965, 22.3642, 3.7531

Deuteranomaly

26.9470, 22.3270, 3.0329

Tritanomaly

36.4398, 23.1733, 6.6900

Monochromacy



Original Color

35.7135, 23.3426, 3.0040

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

21.3450, 18.7928, 10.2869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7135, 23.3426, 3.0040 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(229, 86, 13)` looks like.

```
.text, #text, p{  
    color:rgb(229, 86, 13)  
}
```

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(229, 86, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 86, 13) }
```

Border

The CSS property to change the border of an element to XYZ 35.7135, 23.3426, 3.0040 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(229, 86, 13) }
```


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

```
.border{ border-color:rgb(229, 86, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 86, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 86, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 86, 13);  
box-shadow:4px 4px 4px 4px rgb(229, 86,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7135, 23.3426, 3.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 86, 13) }
```

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

```
.background{ background-color: rgb(229, 86,  
13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor