

Converting Colors

XYZ(35.2547, 23.5057, 2.6805)

Have a look what the booklet for
XYZ(35.2547, 23.5057, 2.6805)
contains.

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Color

**XYZ(35.2509, 23.4757,
2.6733)**

Conversions

Conversions Part 1

Format	Color
Hex	E35900
RGB	227, 89, 0
RGB Percent	89%, 35%, 0%
CMY	0.1098, 0.6509, 1.0000
CMYK	0.00, 0.61, 1.00, 0.11
HSL	24°, 100%, 45%
HSV	24°, 100%, 89%
XYZ	35.2509, 23.4757, 2.6733
YIQ	120.1160, 110.8170, 1.5770

Conversions

Conversions Part 2

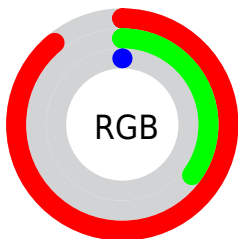
Format	Color
R_{YB}	227, 146, 0
Decimal	14899456
CIE Lab	55.56, 50.79, 65.25
CIE LCh	56, 82.688, 52.101
Yxy	23.4757, 0.5741, 0.3823
Android (android.graphics.Color)	4293089536 (0xFFE35900)
YUV	120.1160, -59.2172, 93.7373
Hunter-Lab	48.4517, 45.0766, 30.6449

Details

The XYZ color **35.2509, 23.4757, 2.6733** 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 **22.9525, 23.7210, 76.0412**, and the grayscale version is **18.0498, 18.9898, 20.6799**.

A 20% lighter version of the original color is **51.9879, 41.2751, 10.0773**, and **15.6208, 8.8196, 0.8790** is the 20% darker color. If you saturate the color by 10%, you get **35.2512, 23.4767, 2.6735**, and if you desaturate by 10%, it is **36.6612, 26.0539, 3.8918**.

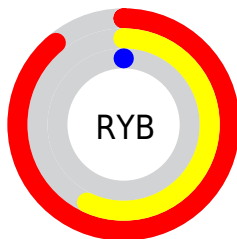
Distribution



Red (89%)

Green (35%)

Blue (0%)



Red (89%)

Yellow (57%)

Blue (0%)

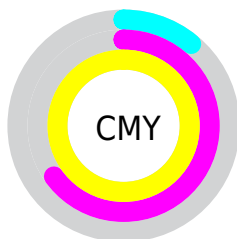


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2509, 23.4757, 2.6733 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 35.2509, 23.4757, 2.6733 by changing the saturation by 10% instead.


 35.2509, 23.4757,
2.6733


 35.2509, 23.4757,
2.6733


317.1631,
270.1590, 132.0843


 24.0236, 14.9452,
0.9299


 67.2057, 49.1733,
10.8111

 15.4760, 8.7809,
0.0000


 88.6640, 67.1090,
18.0429

 9.2426, 4.5985,
0.0000


 114.2633, 88.9487,
27.9415

 4.9581, 2.0137,
0.0000

 144.3690,
115.0767, 40.9254

 2.2572, 0.6154,
0.0000

 179.3465,
145.8773, 57.4130


 0.7726, 0.0000,
0.0000


 219.5611,


 0.0000, 0.0000,


181.7349, 77.8231


0.0000


 265.3782,
223.0340, 102.5739


 35.2509, 23.4757,
2.6733

 35.2509, 23.4757,
2.6733


 35.2512, 23.4767,
2.6735

 36.6612, 26.0539,
3.8918

 38.4754, 29.1547,
6.1231

 40.7616, 32.8231,
9.6725

 43.5626, 37.0917,
14.7165

 46.9150, 41.9899,
21.4039

■ 50.8519, 47.5447,
29.8651

■ 55.4033, 53.7816,
40.2175

■ 60.5969, 60.7242,
52.5682

■ 66.4587, 68.3951,
67.0161

Harmonies

Analogous

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



43.4110, 23.4757, 10.6908



35.2509, 23.4757, 2.6733



24.8710, 23.4757, 0.9710

Triad

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



35.2509, 23.4757, 2.6733



8.8403, 23.4757, 19.1288



29.7685, 23.4757, 108.8661

Complementary

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



35.2509, 23.4757, 2.6733



22.9525, 23.7210, 76.0412

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.



19.9366, 23.4757, 117.7377



35.2509, 23.4757, 2.6733



9.4743, 23.4757, 50.1829

Square

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



35.2509, 23.4757, 2.6733



10.9369, 23.4757, 5.2048



13.0054, 23.4757, 91.3431



39.6800, 23.4757, 71.9105

Rectangle

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



35.2509, 23.4757, 2.6733



18.7585, 23.4757, 1.0468



13.0054, 23.4757, 91.3431



26.2903, 23.4757, 115.9354

Sweetspot

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



35.2514, 23.4771, 2.6737



72.0032, 69.8485, 52.0703



36.4107, 18.2238, 26.4033



14.8535, 14.1910, 9.8593



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.



35.2514, 23.4771, 2.6737



45.7959, 30.3718, 3.4486



52.4523, 57.8788, 8.4073



14.8382, 15.2903, 15.0737



20.6646, 13.9034, 1.5945



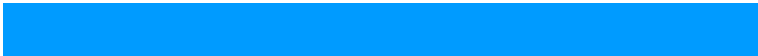
1.6153, 1.2040, 0.1473

Inverse Universe

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



22.9525, 23.7210, 76.0412



29.7736, 30.6672, 98.9579



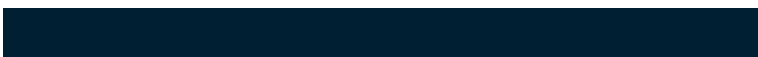
14.2453, 6.3065, 73.1388



14.3083, 15.3379, 18.3507



13.5026, 14.0674, 44.3868



1.0876, 1.2191, 3.3100

Previews

White Background



This preview shows how the XYZ color 35.2509, 23.4757, 2.6733 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 35.2509, 23.4757, 2.6733 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 35.2509, 23.4757, 2.6733

Background



This preview shows how black text looks on a background with the XYZ color 35.2509, 23.4757, 2.6733.



This preview shows how white text looks on a background with the XYZ color 35.2509, 23.4757,

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

35.2509, 23.4757, 2.6733

Protanopia

21.4423, 23.6914, 4.2534

Deuteranopia

23.9516, 23.6138, 3.2955



Tritanopia

37.1678, 23.5491, 11.8190

Trichromacy



Original Color

35.2509, 23.4757, 2.6733

Protanomaly

25.1551, 22.5751, 3.4835

Deuteranomaly

27.1403, 22.7574, 2.9622

Tritanomaly

35.9572, 23.2765, 6.3390

Monochromacy



Original Color

35.2509, 23.4757, 2.6733

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

21.0712, 18.8300, 9.3615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2509, 23.4757, 2.6733 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, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 89, 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(227, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 89, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.2509, 23.4757, 2.6733 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, 89, 0) }
```


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

```
.border{ border-color:rgb(227, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.2509, 23.4757, 2.6733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 89, 0) }
```

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

```
.background{ background-color: rgb(227, 89,  
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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