

Converting Colors

XYZ(35.9760, 22.5262, 2.4534)

Have a look what the booklet for
XYZ(35.9760, 22.5262, 2.4534)
contains.

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Color

**XYZ(35.9326, 22.4636,
2.4420)**

Conversions

Conversions Part 1

Format	Color
Hex	E84D00
RGB	232, 77, 0
RGB Percent	91%, 30%, 0%
CMY	0.0902, 0.6980, 1.0000
CMYK	0.00, 0.67, 1.00, 0.09
HSL	20°, 100%, 45%
HSV	20°, 100%, 91%
XYZ	35.9326, 22.4636, 2.4420
YIQ	114.5670, 117.0970, 8.9130

Conversions

Conversions Part 2

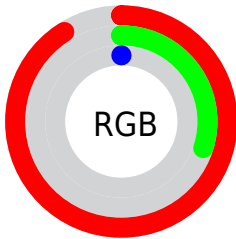
Format	Color
R_{YB}	232, 115, 0
Decimal	15224064
CIE _{Lab}	54.52, 57.59, 65.18
CIE _{LCh}	55, 86.976, 48.536
Yxy	22.4636, 0.5906, 0.3692
Android (android.graphics.Color)	4293414144 (0xFFE84D00)
YUV	114.5670, -56.4815, 102.9887
Hunter-Lab	47.3958, 52.3852, 30.1222

Details

The XYZ color **35.9326, 22.4636, 2.4420** 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 **26.2852, 29.2657, 80.6068**, and the grayscale version is **16.3065, 17.1557, 18.6826**.

A 20% lighter version of the original color is **50.5247, 38.3939, 9.4505**, and **15.9798, 8.3023, 0.7603** is the 20% darker color. If you saturate the color by 10%, you get **35.9330, 22.4647, 2.4422**, and if you desaturate by 10%, it is **37.3066, 24.9613, 3.6730**.

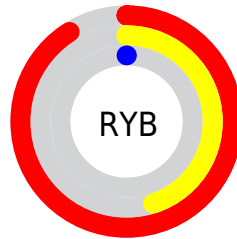
Distribution



Red (91%)

Green (30%)

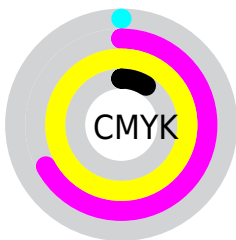
Blue (0%)



Red (91%)

Yellow (45%)

Blue (0%)

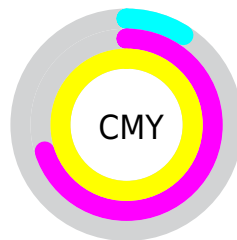


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9326, 22.4636, 2.4420 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 35.9326, 22.4636, 2.4420 by changing the saturation by 10% instead.


 35.9326, 22.4636,
2.4420


 35.9326, 22.4636,
2.4420


320.1022,
264.9578, 128.9013


 24.5520, 14.1979,
0.8092


 68.2526, 47.5110,
10.2174

 15.8706, 8.2585,
0.0000


 89.9227, 65.0616,
17.2051


 9.5229, 4.2608,
0.0000


 115.7533, 86.4759,
26.8177

 5.1436, 1.8205,
0.0000

 146.1099,
112.1384, 39.4736

 2.3674, 0.4999,
0.0000

 181.3577,
142.4335, 55.5914

 0.8288, 0.0000,
0.0000


 221.8621,


 0.0000, 0.0000,


177.7455, 75.5896


0.0000


 267.9885,
218.4588, 99.8867


 35.9326, 22.4636,
2.4420


 35.9326, 22.4636,
2.4420


 35.9330, 22.4647,
2.4422

 37.3066, 24.9613,
3.6730

 39.1430, 28.0831,
5.9840

 41.5175, 31.8851,
9.6949

 44.4790, 36.4096,
14.9934

 48.0702, 41.6951,
22.0379

■ 52.3290, 47.7768,
30.9672

■ 57.2903, 54.6876,
41.9061

■ 62.9863, 62.4584,
54.9685

■ 69.4471, 71.1184,
70.2597

Harmonies

Analogous

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



43.8706, 22.4636, 11.2791



35.9326, 22.4636, 2.4420



25.2052, 22.4636, 0.6119

Triad

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



35.9326, 22.4636, 2.4420



7.9544, 22.4636, 15.4387



27.7238, 22.4636, 115.6198

Complementary

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



35.9326, 22.4636, 2.4420



26.2852, 29.2657, 80.6068

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.



17.9112, 22.4636, 120.4040



35.9326, 22.4636, 2.4420



8.2612, 22.4636, 45.2288

Square

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



35.9326, 22.4636, 2.4420



10.3506, 22.4636, 3.5657



11.3687, 22.4636, 88.6519



38.2420, 22.4636, 78.2827

Rectangle

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



35.9326, 22.4636, 2.4420



18.7444, 22.4636, 0.5579



11.3687, 22.4636, 88.6519



24.1886, 22.4636, 121.7573

Sweetspot

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



35.9331, 22.4649, 2.4423



70.8937, 67.6295, 51.7005



39.4960, 19.6427, 34.2988



14.5944, 13.6727, 9.7730



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.



35.9331, 22.4649, 2.4423



44.4606, 27.7011, 3.0035



51.5765, 53.7518, 7.6568



14.7659, 15.1456, 15.0496



20.0519, 12.6780, 1.3902



1.5646, 1.1025, 0.1303

Inverse Universe

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



26.2852, 29.2657, 80.6068



32.4915, 36.1030, 99.8638



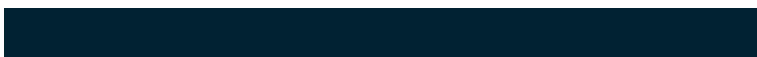
15.4125, 7.5203, 76.9825



14.3833, 15.4879, 18.3757



14.7127, 16.4875, 44.7901



1.1716, 1.3871, 3.3380

Previews

White Background



This preview shows how the XYZ color 35.9326, 22.4636, 2.4420 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 35.9326, 22.4636, 2.4420 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 35.9326, 22.4636, 2.4420

Background



This preview shows how black text looks on a background with the XYZ color 35.9326, 22.4636, 2.4420.



This preview shows how white text looks on a background with the XYZ color 35.9326, 22.4636,

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

35.9326, 22.4636, 2.4420

Protanopia

20.3244, 22.5058, 4.1926

Deuteranopia

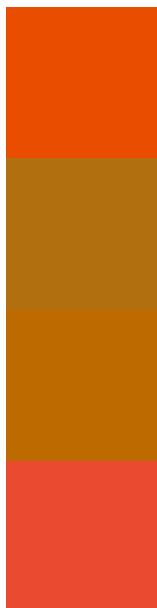
22.7247, 22.4146, 3.1287



Tritanopia

37.1916, 22.4664, 9.0328

Trichromacy



Original Color

35.9326, 22.4636, 2.4420

Protanomaly

24.1381, 20.8713, 3.2466

Deuteranomaly

26.2440, 21.3342, 2.7347

Tritanomaly

36.5866, 22.4346, 5.1983

Monochromacy



Original Color

35.9326, 22.4636, 2.4420

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.9568, 17.0575, 8.5439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9326, 22.4636, 2.4420 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(232, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 77, 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(232, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 77, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.9326, 22.4636, 2.4420 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(232, 77, 0) }
```


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

```
.border{ border-color:rgb(232, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9326, 22.4636, 2.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 77, 0) }
```

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

```
.background{ background-color: rgb(232, 77,  
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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