

Converting Colors

XYZ(35.8632, 22.3247, 2.4189)

Have a look what the booklet for
XYZ(35.8632, 22.3247, 2.4189)
contains.

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Color

**XYZ(35.8632, 22.3247,
2.4189)**

Conversions

Conversions Part 1

Format	Color
Hex	E84C00
RGB	232, 76, 0
RGB Percent	91%, 30%, 0%
CMY	0.0902, 0.7019, 1.0000
CMYK	0.00, 0.67, 1.00, 0.09
HSL	20°, 100%, 45%
HSV	20°, 100%, 91%
XYZ	35.8632, 22.3247, 2.4189
YIQ	113.9800, 117.3720, 9.4360

Conversions

Conversions Part 2

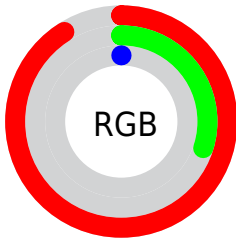
Format	Color
RYB	232, 113, 0
Decimal	15223808
CIELab	54.37, 57.99, 65.10
CIElCh	54, 87.183, 48.309
Yxy	22.3247, 0.5917, 0.3684
Android (android.graphics.Color)	4293413888 (0xFFE84C00)
YUV	113.9800, -56.1921, 103.5035
Hunter-Lab	47.2490, 52.8002, 30.0390

Details

The XYZ color **35.8632, 22.3247, 2.4189** 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 **26.4527, 29.6007, 80.6627**, and the grayscale version is **16.1282, 16.9681, 18.4783**.

A 20% lighter version of the original color is **50.3608, 38.1103, 9.2592**, and **15.9472, 8.2372, 0.7494** is the 20% darker color. If you saturate the color by 10%, you get **35.8635, 22.3257, 2.4191**, and if you desaturate by 10%, it is **37.2286, 24.8052, 3.6471**.

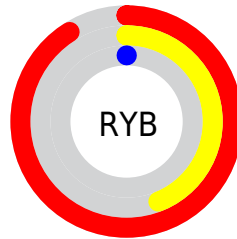
Distribution



Red (91%)

Green (30%)

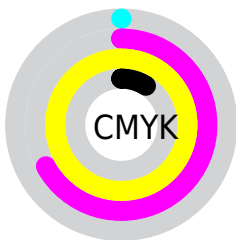
Blue (0%)



Red (91%)

Yellow (44%)

Blue (0%)

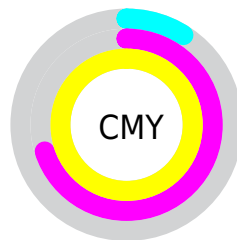


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8632, 22.3247, 2.4189 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 35.8632, 22.3247, 2.4189 by changing the saturation by 10% instead.


 35.8632, 22.3247,
2.4189


 35.8632, 22.3247,
2.4189


319.8039,
264.2373, 128.5755


 24.4982, 14.0957,
0.7967


 68.1461, 47.2821,
10.1573

 15.8303, 8.1872,
0.0000


 89.7947, 64.7792,
17.1201


 9.4942, 4.2150,
0.0000


 115.6019, 86.1345,
26.7034

 5.1246, 1.7945,
0.0000

 145.9330,
111.7324, 39.3256

 2.3561, 0.4838,
0.0000

 181.1534,
141.9572, 55.4055


 0.8231, 0.0000,
0.0000


 221.6285,


 0.0000, 0.0000,


177.1933, 75.3613


0.0000


 267.7235,
217.8252, 99.6119


 35.8632, 22.3247,
2.4189


 35.8632, 22.3247,
2.4189

 35.8635, 22.3257,
2.4191

 37.2286, 24.8052,
3.6471

 39.0591, 27.9151,
5.9562

 41.4307, 31.7112,
9.6662

 44.3926, 36.2365,
14.9650

 47.9877, 41.5300,
22.0109

■ 52.2544, 47.6274,
30.9430

■ 57.2278, 54.5623,
41.8861

■ 62.9402, 62.3658,
54.9541

■ 69.4220, 71.0678,
70.2525

Harmonies

Analogous

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



43.7610, 22.3247, 11.2825



35.8632, 22.3247, 2.4189



25.1465, 22.3247, 0.5849

Triad

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



35.8632, 22.3247, 2.4189



7.8715, 22.3247, 15.1609



27.5016, 22.3247, 115.7124

Complementary

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



35.8632, 22.3247, 2.4189



26.4527, 29.6007, 80.6627

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.



17.7232, 22.3247, 120.2004



35.8632, 22.3247, 2.4189



8.1572, 22.3247, 44.7654

Square

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



35.8632, 22.3247, 2.4189



10.2785, 22.3247, 3.4588



11.2277, 22.3247, 88.1915



38.0247, 22.3247, 78.4712

Rectangle

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



35.8632, 22.3247, 2.4189



18.6830, 22.3247, 0.5225



11.2277, 22.3247, 88.1915



23.9746, 22.3247, 121.7655

Sweetspot

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



35.8637, 22.3260, 2.4192



70.8153, 67.4728, 51.6743



39.4962, 19.6428, 34.2991



14.5762, 13.6362, 9.7669



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.



35.8637, 22.3260, 2.4192



44.3750, 27.5300, 2.9750



51.5767, 53.7521, 7.6569



14.7607, 15.1353, 15.0479



20.0124, 12.5990, 1.3771



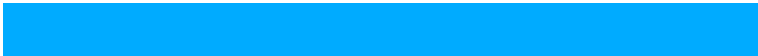
1.5612, 1.0957, 0.1292

Inverse Universe

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



26.4527, 29.6007, 80.6627



32.6993, 36.5186, 99.9331



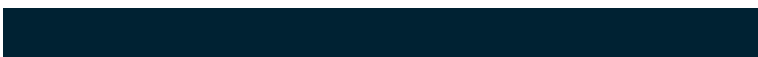
15.4126, 7.5204, 76.9827



14.3887, 15.4987, 18.3775



14.8050, 16.6721, 44.8209



1.1779, 1.3998, 3.3401

Previews

White Background



This preview shows how the XYZ color 35.8632, 22.3247, 2.4189 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 35.8632, 22.3247, 2.4189 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 35.8632, 22.3247, 2.4189

Background



This preview shows how black text looks on a background with the XYZ color 35.8632, 22.3247, 2.4189.



This preview shows how white text looks on a background with the XYZ color 35.8632, 22.3247,

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

35.8632, 22.3247, 2.4189

Protanopia

20.3244, 22.5058, 4.1926

Deuteranopia

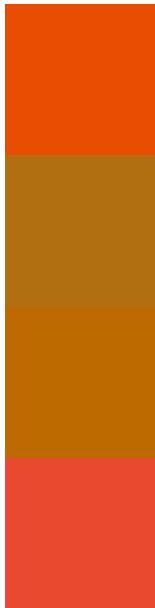
22.7247, 22.4146, 3.1287



Tritanopia

37.0935, 22.3245, 8.8326

Trichromacy



Original Color

35.8632, 22.3247, 2.4189

Protanomaly

24.1381, 20.8713, 3.2466

Deuteranomaly

26.2440, 21.3342, 2.7347

Tritanomaly

36.4999, 22.2940, 5.0687

Monochromacy



Original Color

35.8632, 22.3247, 2.4189

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.6644, 16.7635, 8.5026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8632, 22.3247, 2.4189 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, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 76, 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, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8632, 22.3247, 2.4189 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, 76, 0) }
```


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

```
.border{ border-color:rgb(232, 76, 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, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8632, 22.3247, 2.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 76, 0) }
```

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

```
.background{ background-color: rgb(232, 76,  
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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