

Converting Colors

XYZ(36.4282, 22.9715, 2.5140)

Have a look what the booklet for
XYZ(36.4282, 22.9715, 2.5140)
contains.

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Color

**XYZ(36.4003, 22.9156,
2.5046)**

Conversions

Conversions Part 1

Format	Color
Hex	E94F00
RGB	233, 79, 0
RGB Percent	91%, 31%, 0%
CMY	0.0863, 0.6902, 1.0000
CMYK	0.00, 0.66, 1.00, 0.09
HSL	20°, 100%, 46%
HSV	20°, 100%, 91%
XYZ	36.4003, 22.9156, 2.5046
YIQ	116.0400, 117.1430, 8.0790

Conversions

Conversions Part 2

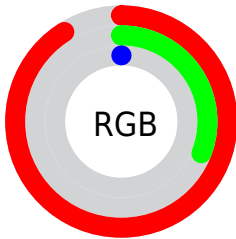
Format	Color
R_{YB}	233, 120, 0
Decimal	15290112
CIE _{Lab}	54.99, 57.13, 65.51
CIE _{LCh}	55, 86.920, 48.909
Yxy	22.9156, 0.5888, 0.3707
Android (android.graphics.Color)	4293480192 (0xFFE94F00)
YUV	116.0400, -57.2077, 102.5739
Hunter-Lab	47.8702, 51.9576, 30.4071

Details

The XYZ color **36.4003, 22.9156, 2.5046** 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 **26.2622, 28.9917, 81.3021**, and the grayscale version is **16.7588, 17.6316, 19.2008**.

A 20% lighter version of the original color is **50.8012, 38.9468, 9.5426**, and **16.2461, 8.5202, 0.7883** is the 20% darker color. If you saturate the color by 10%, you get **36.4007, 22.9167, 2.5048**, and if you desaturate by 10%, it is **37.8010, 25.4650, 3.7495**.

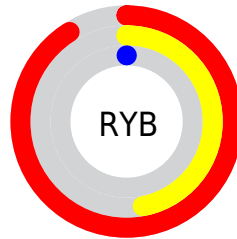
Distribution



Red (91%)

Green (31%)

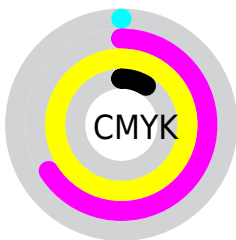
Blue (0%)



Red (91%)

Yellow (47%)

Blue (0%)

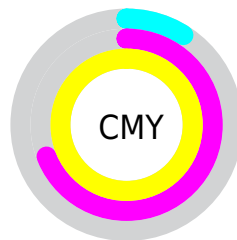


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4003, 22.9156, 2.5046 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 36.4003, 22.9156, 2.5046 by changing the saturation by 10% instead.

 36.4003, 22.9156,
2.5046


 36.4003, 22.9156,
2.5046


322.1076,
267.2912, 129.7768

 24.9151, 14.5312,
0.8426


 68.9693, 48.2547,
10.3794

 16.1422, 8.4910,
0.0000


 90.7838, 65.9782,
17.4343


 9.7163, 4.4107,
0.0000


 116.7720, 87.5835,
27.1256

 5.2721, 1.9059,
0.0000

 147.2995,
113.4550, 39.8718

 2.4442, 0.5519,
0.0000

 182.7314,
143.9772, 56.0915


 0.8672, 0.0000,
0.0000


 223.4331,

 0.0000, 0.0000,


179.5343, 76.2032


0.0000


 269.7701,
220.5109, 100.6254


 36.4003, 22.9156,
2.5046


 36.4003, 22.9156,
2.5046


 36.4007, 22.9167,
2.5048

 37.8010, 25.4650,
3.7495

 39.6644, 28.6361,
6.0842

 42.0664, 32.4843,
9.8312

 45.0558, 37.0513,
15.1799

 48.6752, 42.3750,
22.2903

■ 52.9626, 48.4901,
31.3026

■ 57.9528, 55.4290,
42.3427

■ 63.6780, 63.2221,
55.5257

■ 70.1681, 71.8984,
70.9578

Harmonies

Analogous

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



44.4831, 22.9156, 11.3842



36.4003, 22.9156, 2.5046



25.5499, 22.9156, 0.6646

Triad

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



36.4003, 22.9156, 2.5046



8.1712, 22.9156, 16.0585



28.3669, 22.9156, 116.5999

Complementary

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



36.4003, 22.9156, 2.5046



26.2622, 28.9917, 81.3021

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.



18.4015, 22.9156, 121.9229



36.4003, 22.9156, 2.5046



8.5167, 22.9156, 46.4483

Square

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



36.4003, 22.9156, 2.5046



10.5723, 22.9156, 3.7828



11.7167, 22.9156, 90.2884



38.9794, 22.9156, 78.7381

Rectangle

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



36.4003, 22.9156, 2.5046



19.0305, 22.9156, 0.6244



11.7167, 22.9156, 90.2884



24.7837, 22.9156, 122.9377

Sweetspot

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



36.4008, 22.9170, 2.5050



71.0239, 67.8900, 51.7439



39.5486, 19.7014, 32.8758



14.6248, 13.7334, 9.7831



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.



36.4008, 22.9170, 2.5050



44.6053, 27.9907, 3.0518



52.9330, 55.9813, 8.0157



15.4829, 15.8889, 15.7695



20.7576, 13.2094, 1.4556



1.7162, 1.2096, 0.1430

Inverse Universe

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



26.2622, 28.9917, 81.3021



32.1509, 35.4219, 99.7503



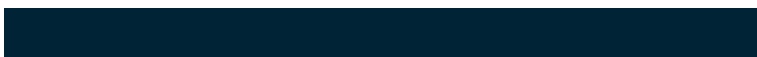
15.4280, 7.3234, 77.6907



15.0626, 16.2116, 19.2575



15.0209, 16.6889, 46.1726



1.2679, 1.4874, 3.6551

Previews

White Background



This preview shows how the XYZ color 36.4003, 22.9156, 2.5046 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 36.4003, 22.9156, 2.5046 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 36.4003, 22.9156, 2.5046

Background



This preview shows how black text looks on a background with the XYZ color 36.4003, 22.9156, 2.5046.



This preview shows how white text looks on a background with the XYZ color 36.4003, 22.9156,

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

36.4003, 22.9156, 2.5046

Protanopia

20.9468, 23.2306, 4.2441

Deuteranopia

23.2700, 22.8827, 3.1903



Tritanopia

37.7200, 22.9258, 9.4582

Trichromacy



Original Color

36.4003, 22.9156, 2.5046

Protanomaly

24.8137, 21.5480, 3.3033

Deuteranomaly

26.8484, 21.8015, 2.7930

Tritanomaly

37.0705, 22.8831, 5.3688

Monochromacy



Original Color

36.4003, 22.9156, 2.5046

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.3844, 17.5658, 8.7947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4003, 22.9156, 2.5046 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(233, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 79, 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(233, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.4003, 22.9156, 2.5046 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(233, 79, 0) }
```


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

```
.border{ border-color:rgb(233, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 79, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.4003, 22.9156, 2.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 79, 0) }
```

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

```
.background{ background-color: rgb(233, 79,  
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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