

Converting Colors

XYZ(36.3050, 22.2392, 2.3791)

Have a look what the booklet for
XYZ(36.3050, 22.2392, 2.3791)
contains.

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Color

**XYZ(36.3142, 22.2575,
2.3822)**

Conversions

Conversions Part 1

Format	Color
Hex	EA4900
RGB	234, 73, 0
RGB Percent	92%, 29%, 0%
CMY	0.0824, 0.7137, 1.0000
CMYK	0.00, 0.69, 1.00, 0.08
HSL	19°, 100%, 46%
HSV	19°, 100%, 92%
XYZ	36.3142, 22.2575, 2.3822
YIQ	112.8170, 119.3890, 11.4290

Conversions

Conversions Part 2

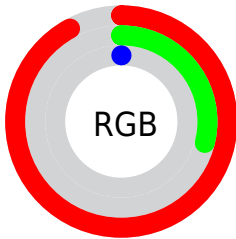
Format	Color
R_{YB}	234, 106, 0
Decimal	15354112
CIE _{Lab}	54.30, 59.80, 65.27
CIE _{LCh}	54, 88.520, 47.504
Yxy	22.2575, 0.5958, 0.3652
Android (android.graphics.Color)	4293544192 (0xFFEA4900)
YUV	112.8170, -55.6188, 106.2775
Hunter-Lab	47.1779, 54.8355, 30.0307

Details

The XYZ color **36.3142, 22.2575, 2.3822** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.5949, 31.4278, 82.4529**, and the grayscale version is **15.7781, 16.5997, 18.0771**.

A 20% lighter version of the original color is **50.0921, 37.5731, 9.1696**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **36.3144, 22.2584, 2.3823**, and if you desaturate by 10%, it is **37.6717, 24.7189, 3.6178**.

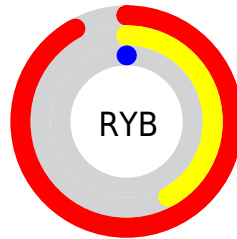
Distribution



Red (92%)

Green (29%)

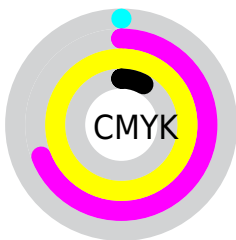
Blue (0%)



Red (92%)

Yellow (42%)

Blue (0%)

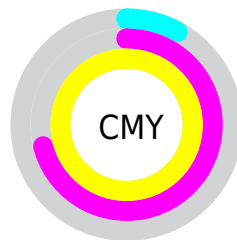


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3142, 22.2575, 2.3822 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 36.3142, 22.2575, 2.3822 by changing the saturation by 10% instead.


 36.3142, 22.2575,
2.3822


 36.3142, 22.2575,
2.3822


321.7391,
263.8881, 128.0548

 24.8482, 14.0462,
0.7767


 68.8375, 47.1712,
10.0616

 16.0921, 8.1528,
0.0000


 90.6254, 64.6425,
16.9845


 9.6806, 4.1929,
0.0000


 116.5847, 85.9691,
26.5209

 5.2484, 1.7820,
0.0000

 147.0807,
111.5357, 39.0894

 2.4300, 0.4759,
0.0000

 182.4788,
141.7264, 55.1085

 0.8601, 0.0000,
0.0000


 223.1444,


 0.0000, 0.0000,


176.9258, 74.9967


0.0000


 269.4427,
217.5182, 99.1726


 36.3142, 22.2575,
2.3822


 36.3142, 22.2575,
2.3822


 36.3144, 22.2584,
2.3823

 37.6717, 24.7189,
3.6178

 39.5135, 27.8418,
5.9602

 41.9183, 31.6869,
9.7352

 44.9378, 36.3008,
15.1352

 48.6169, 41.7255,
22.3225

■ 52.9959, 47.9996,
31.4393

■ 58.1114, 55.1592,
42.6134

■ 63.9975, 63.2382,
55.9617

■ 70.6860, 72.2683,
71.5919

Harmonies

Analogous

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



44.2207, 22.2575, 11.5156



36.3142, 22.2575, 2.3822



25.4257, 22.2575, 0.5031

Triad

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



36.3142, 22.2575, 2.3822



7.7258, 22.2575, 14.4654



27.2357, 22.2575, 118.3345

Complementary

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



36.3142, 22.2575, 2.3822



27.5949, 31.4278, 82.4529

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.



17.3916, 22.2575, 121.8240



36.3142, 22.2575, 2.3822



7.9420, 22.2575, 43.9697

Square

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



36.3142, 22.2575, 2.3822



10.2180, 22.2575, 3.1514



10.9395, 22.2575, 88.2513



37.9812, 22.2575, 80.7123

Rectangle

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



36.3142, 22.2575, 2.3822



18.8251, 22.2575, 0.4095



10.9395, 22.2575, 88.2513



23.6698, 22.2575, 124.1962

Sweetspot

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



36.3147, 22.2588, 2.3825



70.5332, 66.9084, 51.5803



40.6143, 20.1655, 36.7795



14.5105, 13.5049, 9.7450



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.



36.3147, 22.2588, 2.3825



44.0765, 26.9331, 2.8755



51.7442, 53.1179, 7.5257



15.4489, 15.8208, 15.7582



20.5057, 12.7056, 1.3717



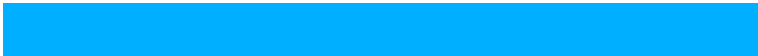
1.6932, 1.1638, 0.1354

Inverse Universe

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



27.5949, 31.4278, 82.4529



33.4658, 38.0515, 100.1886



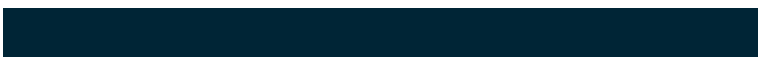
15.8599, 7.9579, 78.5413



15.0983, 16.2829, 19.2694



15.6240, 17.8949, 46.3736



1.3120, 1.5755, 3.6698

Previews

White Background



This preview shows how the XYZ color 36.3142, 22.2575, 2.3822 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 36.3142, 22.2575, 2.3822 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 36.3142, 22.2575, 2.3822

Background



This preview shows how black text looks on a background with the XYZ color 36.3142, 22.2575, 2.3822.



This preview shows how white text looks on a background with the XYZ color 36.3142, 22.2575,

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

36.3142, 22.2575, 2.3822

Protanopia

20.3244, 22.5058, 4.1926

Deuteranopia

22.5175, 22.3078, 3.1190



Tritanopia

37.4654, 22.2513, 8.2815

Trichromacy



Original Color

36.3142, 22.2575, 2.3822

Protanomaly

24.2599, 20.7730, 3.2212

Deuteranomaly

26.0378, 20.9220, 2.6660

Tritanomaly

36.9248, 22.2319, 4.8277

Monochromacy



Original Color

36.3142, 22.2575, 2.3822

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.4420, 16.3713, 8.2662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3142, 22.2575, 2.3822 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(234, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(234, 73, 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(234, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 73, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.3142, 22.2575, 2.3822 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(234, 73, 0) }
```


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

```
.border{ border-color:rgb(234, 73, 0) }
```

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

Here you see how a box with a 4 pixel rgb(234, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(234, 73, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3142, 22.2575, 2.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 73, 0) }
```

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

```
.background{ background-color: rgb(234, 73,  
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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