

Converting Colors

XYZ(36.4374, 20.9542, 2.1241)

Have a look what the booklet for
XYZ(36.4374, 20.9542, 2.1241)
contains.

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Color

**XYZ(36.3882, 20.9308,
2.1222)**

Conversions

Conversions Part 1

Format	Color
Hex	ED3900
RGB	237, 57, 0
RGB Percent	93%, 22%, 0%
CMY	0.0706, 0.7764, 1.0000
CMYK	0.00, 0.76, 1.00, 0.07
HSL	14°, 100%, 46%
HSV	14°, 100%, 93%
XYZ	36.3882, 20.9308, 2.1222
YIQ	104.3220, 125.5770, 20.4330

Conversions

Conversions Part 2

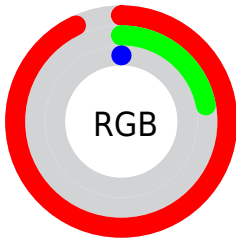
Format	Color
RYB	237, 75, 0
Decimal	15546624
CIELab	52.87, 66.19, 64.92
CIElCh	53, 92.716, 44.447
Yxy	20.9308, 0.6122, 0.3521
Android (android.graphics.Color)	4293736704 (0xFFED3900)
YUV	104.3220, -51.4307, 116.3586
Hunter-Lab	45.7502, 61.9102, 29.2749

Details

The XYZ color **36.3882, 20.9308, 2.1222** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **31.6048, 38.7521, 85.9343**, and the grayscale version is **13.3565, 14.0520, 15.3027**.

A 20% lighter version of the original color is **48.4169, 34.3088, 8.3454**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **36.3885, 20.9318, 2.1224**, and if you desaturate by 10%, it is **37.6036, 23.1031, 3.3255**.

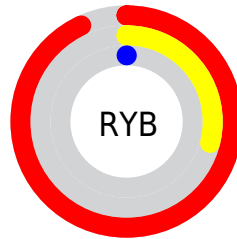
Distribution



Red (93%)

Green (22%)

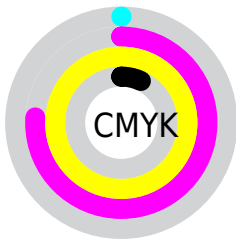
Blue (0%)



Red (93%)

Yellow (29%)

Blue (0%)

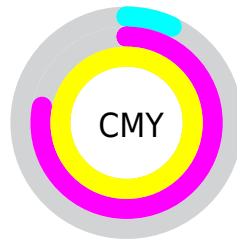


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3882, 20.9308, 2.1222 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 36.3882, 20.9308, 2.1222 by changing the saturation by 10% instead.


 36.3882, 20.9308,
2.1222

 36.3882, 20.9308,
2.1222


 322.0558,
256.9105, 124.2463

 24.9057, 13.0734,
0.6289


 68.9508, 44.9723,
9.3723


 16.1351, 7.4791,
0.0000


 90.7615, 61.9253,
16.0035


 9.7113, 3.7635,
0.0000


 116.7457, 82.6789,
25.1970

 5.2687, 1.5422,
0.0000

 147.2687,
107.6176, 37.3712

 2.4422, 0.3181,
0.0000

 182.6959,
137.1256, 52.9447

 0.8662, 0.0000,
0.0000


 223.3926,


 0.0000, 0.0000,


171.5876, 72.3360


0.0000


 269.7241,
211.3877, 95.9637


 36.3882, 20.9308,
2.1222


 36.3882, 20.9308,
2.1222


 36.3885, 20.9318,
2.1224

 37.6036, 23.1031,
3.3255

 39.3614, 26.0437,
5.6845

 41.7510, 29.8319,
9.5362

 44.8329, 34.5300,
15.0816

 48.6598, 40.1944,
22.4903

■ 53.2789, 46.8762,
31.9111

■ 58.7334, 54.6233,
43.4775

■ 65.0633, 63.4801,
57.3116

■ 72.3058, 73.4885,
73.5262

Harmonies

Analogous

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



43.9536, 20.9308, 11.8979



36.3882, 20.9308, 2.1222



25.3221, 20.9308, 0.1287

Triad

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



36.3882, 20.9308, 2.1222



6.7981, 20.9308, 11.2641



24.9161, 20.9308, 123.4206

Complementary

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



36.3882, 20.9308, 2.1222



31.6048, 38.7521, 85.9343

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.



15.3031, 20.9308, 122.5999



36.3882, 20.9308, 2.1222



6.7527, 20.9308, 38.8707

Square

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



36.3882, 20.9308, 2.1222



9.4882, 20.9308, 1.9760



9.3337, 20.9308, 84.3332



36.0090, 20.9308, 86.0886

Rectangle

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



36.3882, 20.9308, 2.1222



18.4836, 20.9308, 0.0000



9.3337, 20.9308, 84.3332



21.3746, 20.9308, 128.1907

Sweetspot

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



36.3886, 20.9321, 2.1225



69.2703, 64.3828, 51.1594



43.3373, 21.3695, 45.9343



14.2178, 12.9196, 9.6474



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.



36.3886, 20.9321, 2.1225



42.9271, 24.6341, 2.4924



50.0223, 48.1994, 6.6671



15.3597, 15.6424, 15.7285



19.9519, 11.5980, 1.1871



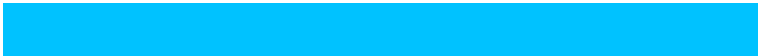
1.6397, 1.0567, 0.1175

Inverse Universe

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



31.6048, 38.7521, 85.9343



37.2657, 45.6514, 101.4552



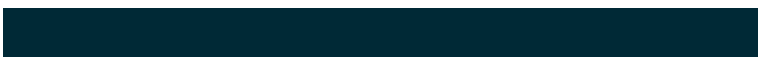
17.0747, 9.6919, 81.0909



15.1928, 16.4721, 19.3009



17.3621, 21.3712, 46.9529



1.4368, 1.8252, 3.7114

Previews

White Background



This preview shows how the XYZ color 36.3882, 20.9308, 2.1222 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 36.3882, 20.9308, 2.1222 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 36.3882, 20.9308, 2.1222

Background



This preview shows how black text looks on a background with the XYZ color 36.3882, 20.9308, 2.1222.



This preview shows how white text looks on a background with the XYZ color 36.3882, 20.9308,

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

36.3882, 20.9308, 2.1222

Protanopia

19.1149, 21.0975, 4.1017

Deuteranopia

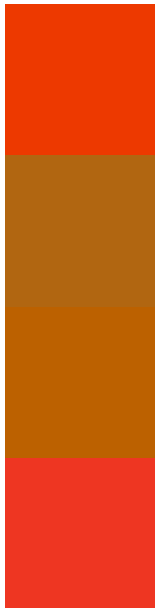
21.2137, 20.9065, 2.9173



Tritanopia

37.1989, 20.9897, 5.5808

Trichromacy



Original Color

36.3882, 20.9308, 2.1222

Protanomaly

22.9840, 18.8903, 2.9651

Deuteranomaly

25.0137, 19.2408, 2.3955

Tritanomaly

36.8678, 20.9310, 3.6103

Monochromacy



Original Color

36.3882, 20.9308, 2.1222

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

17.3405, 13.8851, 6.9204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3882, 20.9308, 2.1222 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(237, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 57, 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(237, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 57, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.3882, 20.9308, 2.1222 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(237, 57, 0) }
```


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

```
.border{ border-color:rgb(237, 57, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3882, 20.9308, 2.1222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 57, 0) }
```

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

```
.background{ background-color: rgb(237, 57,  
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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