

Converting Colors

XYZ(36.3312, 20.7424, 2.0888)

Have a look what the booklet for
XYZ(36.3312, 20.7424, 2.0888)
contains.

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Color

**XYZ(36.2912, 20.7369,
2.0899)**

Conversions

Conversions Part 1

Format	Color
Hex	ED3700
RGB	237, 55, 0
RGB Percent	93%, 22%, 0%
CMY	0.0706, 0.7843, 1.0000
CMYK	0.00, 0.77, 1.00, 0.07
HSL	14°, 100%, 46%
HSV	14°, 100%, 93%
XYZ	36.2912, 20.7369, 2.0899
YIQ	103.1480, 126.1270, 21.4790

Conversions

Conversions Part 2

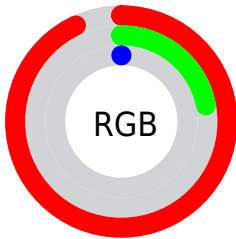
Format	Color
RYB	237, 72, 0
Decimal	15546112
CIELab	52.66, 66.79, 64.83
CIElCh	53, 93.078, 44.149
Yxy	20.7369, 0.6139, 0.3508
Android (android.graphics.Color)	4293736192 (0xFFED3700)
YUV	103.1480, -50.8520, 117.3882
Hunter-Lab	45.5378, 62.5639, 29.1554

Details

The XYZ color **36.2912, 20.7369, 2.0899** 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 **32.0114, 39.5652, 86.0696**, and the grayscale version is **13.0403, 13.7194, 14.9404**.

A 20% lighter version of the original color is **48.3010, 34.0770, 8.3067**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **36.2915, 20.7379, 2.0900**, and if you desaturate by 10%, it is **37.4831, 22.8623, 3.2854**.

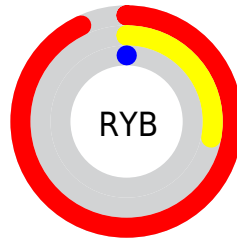
Distribution



Red (93%)

Green (22%)

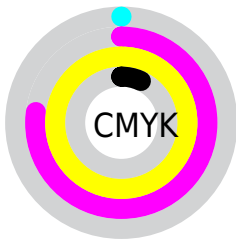
Blue (0%)



Red (93%)

Yellow (28%)

Blue (0%)

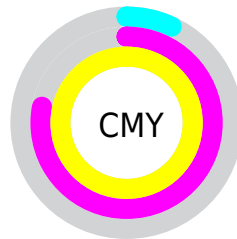


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (78%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2912, 20.7369, 2.0899 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 36.2912, 20.7369, 2.0899 by changing the saturation by 10% instead.


 36.2912, 20.7369,
2.0899


 36.2912, 20.7369,
2.0899


321.6406,
255.8769, 123.7575

 24.8303, 12.9318,
0.6097


 68.8022, 44.6493,
9.2852

 16.0787, 7.3816,
0.0000


 90.5831, 61.5253,
15.8790


 9.6711, 3.7019,
0.0000


 116.5347, 82.1938,
25.0284

 5.2420, 1.5082,
0.0000

 147.0223,
107.0392, 37.1519

 2.4262, 0.2945,
0.0000

 182.4114,
136.4458, 52.6680


 0.8582, 0.0000,
0.0000


 223.0672,


 0.0000, 0.0000,


170.7980, 71.9953


0.0000


 269.3552,
210.4803, 95.5523


 36.2912, 20.7369,
2.0899

 36.2912, 20.7369,
2.0899


 36.2915, 20.7379,
2.0900

 37.4831, 22.8623,
3.2854

 39.2224, 25.7658,
5.6383

 41.5994, 29.5288,
9.4858

 44.6757, 34.2158,
15.0293

 48.5049, 39.8848,
22.4388

■ 53.1350, 46.5886,
31.8632

■ 58.6100, 54.3764,
43.4364

■ 64.9702, 63.2939,
57.2806

■ 72.2537, 73.3843,
73.5090

Harmonies

Analogous

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



43.8005, 20.7369, 11.9021



36.2912, 20.7369, 2.0899



25.2381, 20.7369, 0.0878

Triad

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



36.2912, 20.7369, 2.0899



6.6870, 20.7369, 10.9322



24.6139, 20.7369, 123.6022

Complementary

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



36.2912, 20.7369, 2.0899



32.0114, 39.5652, 86.0696

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.



15.0542, 20.7369, 122.3343



36.2912, 20.7369, 2.0899



6.6176, 20.7369, 38.2600

Square

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



36.2912, 20.7369, 2.0899



9.3872, 20.7369, 1.8692



9.1509, 20.7369, 83.6995



35.7074, 20.7369, 86.4086

Rectangle

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



36.2912, 20.7369, 2.0899



18.3948, 20.7369, 0.0000



9.1509, 20.7369, 83.6995



21.0860, 20.7369, 128.2440

Sweetspot

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



36.2916, 20.7382, 2.0902



69.1242, 64.0905, 51.1106



43.7505, 21.5347, 48.1102



14.1841, 12.8521, 9.6362



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.



36.2916, 20.7382, 2.0902



42.8138, 24.4076, 2.4546



49.2714, 46.6977, 6.4168



15.3492, 15.6214, 15.7250



19.8966, 11.4875, 1.1686



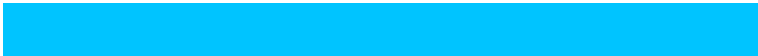
1.6340, 1.0454, 0.1157

Inverse Universe

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



32.0114, 39.5652, 86.0696



37.7469, 46.6139, 101.6156



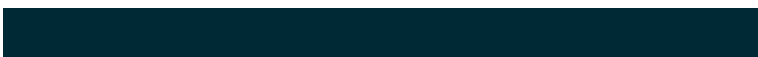
17.3022, 10.1468, 81.1666



15.2041, 16.4946, 19.3047



17.5818, 21.8106, 47.0262



1.4524, 1.8563, 3.7166

Previews

White Background



This preview shows how the XYZ color 36.2912, 20.7369, 2.0899 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 36.2912, 20.7369, 2.0899 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 36.2912, 20.7369, 2.0899

Background



This preview shows how black text looks on a background with the XYZ color 36.2912, 20.7369, 2.0899.



This preview shows how white text looks on a background with the XYZ color 36.2912, 20.7369,

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

36.2912, 20.7369, 2.0899

Protanopia

18.9543, 21.0134, 4.1556

Deuteranopia

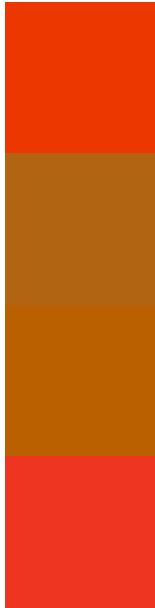
21.0145, 20.8039, 2.9080



Tritanopia

37.1077, 20.8811, 5.3235

Trichromacy



Original Color

36.2912, 20.7369, 2.0899

Protanomaly

22.8943, 18.6981, 2.9747

Deuteranomaly

24.6764, 18.9305, 2.3534

Tritanomaly

36.8075, 20.8332, 3.5201

Monochromacy



Original Color

36.2912, 20.7369, 2.0899

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.2601, 13.7243, 6.8936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2912, 20.7369, 2.0899 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, 55, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 55, 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, 55, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 55, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.2912, 20.7369, 2.0899 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, 55, 0) }
```


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

```
.border{ border-color:rgb(237, 55, 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, 55, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 55, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 55, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 55, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2912, 20.7369, 2.0899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 55, 0) }
```

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

```
.background{ background-color: rgb(237, 55,  
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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