

Converting Colors

XYZ(36.7760, 19.5802, 1.8411)

Have a look what the booklet for
XYZ(36.7760, 19.5802, 1.8411)
contains.

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Color

**XYZ(36.6909, 19.5313,
1.8361)**

Conversions

Conversions Part 1

Format	Color
Hex	F11C00
RGB	241, 28, 0
RGB Percent	95%, 11%, 0%
CMY	0.0549, 0.8901, 1.0000
CMYK	0.00, 0.88, 1.00, 0.05
HSL	7°, 100%, 47%
HSV	7°, 100%, 95%
XYZ	36.6909, 19.5313, 1.8361
YIQ	88.4950, 135.9360, 36.4480

Conversions

Conversions Part 2

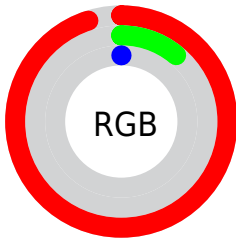
Format	Color
R_{YB}	241, 32, 0
Decimal	15801344
CIE Lab	51.30, 73.96, 64.75
CIE LCh	51, 98.303, 41.201
Yxy	19.5313, 0.6320, 0.3364
Android (android.graphics.Color)	4293991424 (0xFFFF11C00)
YUV	88.4950, -43.6280, 133.7469
Hunter-Lab	44.1942, 70.8542, 28.4727

Details

The XYZ color **36.6909, 19.5313, 1.8361** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **39.6641, 53.9249, 91.5364**, and the grayscale version is **9.4595, 9.9521, 10.8378**.

A 20% lighter version of the original color is **46.6574, 30.8728, 7.5029**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.6913, 19.5325, 1.8363**, and if you desaturate by 10%, it is **37.5533, 20.9911, 2.9421**.

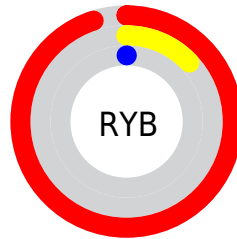
Distribution



Red (95%)

Green (11%)

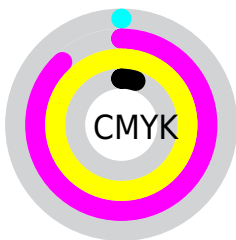
Blue (0%)



Red (95%)

Yellow (13%)

Blue (0%)

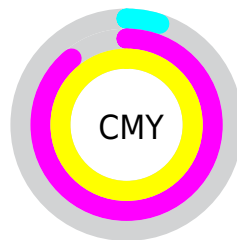


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (89%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6909, 19.5313, 1.8361 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 36.6909, 19.5313, 1.8361 by changing the saturation by 10% instead.


 36.6909, 19.5313,
1.8361


 36.6909, 19.5313,
1.8361


 323.3492,
249.3663, 119.7775


 25.1408, 12.0548,
0.4516


 69.4141, 42.6300,
8.5877


 16.3113, 6.7810,
0.0000


 91.3179, 59.0209,
14.8773


 9.8369, 3.3255,
0.0000


 117.4036, 79.1522,
23.6676

 5.3524, 1.3040,
0.0000

 148.0367,
103.4081, 35.3771

 2.4924, 0.1443,
0.0000

 183.5824,
132.1731, 50.4243

 0.8914, 0.0000,
0.0000


 224.4062,


 0.0000, 0.0000,


165.8315, 69.2277


0.0000


 270.8733,
204.7678, 92.2059


 36.6909, 19.5313,
1.8361


 36.6909, 19.5313,
1.8361


 36.6913, 19.5325,
1.8363

 37.5533, 20.9911,
2.9421

 39.0424, 23.3745,
5.2721

 41.2752, 26.8131,
9.1826

 44.3347, 31.4116,
14.8898

 48.2925, 37.2619,
22.5762

■ 53.2125, 44.4467,
32.4016

■ 59.1525, 53.0415,
44.5096

■ 66.1659, 63.1163,
59.0312

■ 74.3023, 74.7362,
76.0876

Harmonies

Analogous

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



43.9115, 19.5313, 12.4004



36.6909, 19.5313, 1.8361



25.3335, 19.5313, 0.0000

Triad

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



36.6909, 19.5313, 1.8361



5.8169, 19.5313, 8.1716



22.4764, 19.5313, 130.5466

Complementary

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



36.6909, 19.5313, 1.8361



39.6641, 53.9249, 91.5364

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.



13.1224, 19.5313, 124.4303



36.6909, 19.5313, 1.8361



5.5234, 19.5313, 33.5875

Square

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



36.6909, 19.5313, 1.8361



8.7013, 19.5313, 1.0139



7.6773, 19.5313, 80.4287



33.9759, 19.5313, 93.3585

Rectangle

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



36.6909, 19.5313, 1.8361



18.1711, 19.5313, 0.0000



7.6773, 19.5313, 80.4287



18.9623, 19.5313, 133.9882

Sweetspot

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



36.6913, 19.5325, 1.8364



67.1808, 60.2038, 50.4628



48.7867, 23.7052, 67.5813



13.7381, 11.9600, 9.4875



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.



36.6913, 19.5325, 1.8364



41.6956, 22.1712, 2.0819



46.3398, 38.8295, 5.0525



15.9208, 16.0548, 16.4095



19.9462, 10.6904, 1.0122



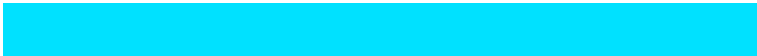
1.7073, 0.9853, 0.1002

Inverse Universe

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



39.6641, 53.9249, 91.5364



45.0682, 61.2564, 104.0561



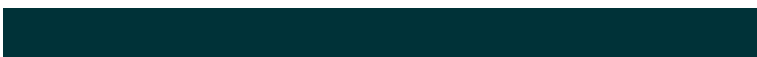
20.0966, 14.7899, 85.0140



16.0813, 17.5967, 20.2705



21.5738, 29.3718, 49.6601



1.8388, 2.5316, 4.1459

Previews

White Background



This preview shows how the XYZ color 36.6909, 19.5313, 1.8361 looks on a white background.

Color Contrast Check

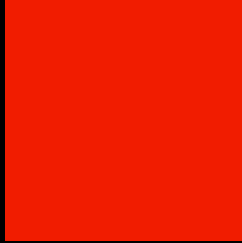
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6909, 19.5313, 1.8361 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 36.6909, 19.5313, 1.8361

Background



This preview shows how black text looks on a background with the XYZ color 36.6909, 19.5313, 1.8361.



This preview shows how white text looks on a background with the XYZ color 36.6909, 19.5313,

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

36.6909, 19.5313, 1.8361

Protanopia

17.7985, 19.6629, 4.0855

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

36.7938, 19.5351, 2.4932

Trichromacy



Original Color

36.6909, 19.5313, 1.8361

Protanomaly

21.2865, 16.1404, 2.6096

Deuteranomaly

23.4982, 16.9361, 2.0305

Tritanomaly

36.7402, 19.5137, 2.2109

Monochromacy



Original Color

36.6909, 19.5313, 1.8361

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

14.2473, 10.2390, 5.0963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6909, 19.5313, 1.8361 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(241, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 28, 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(241, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 28, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.6909, 19.5313, 1.8361 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(241, 28, 0) }
```


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

```
.border{ border-color:rgb(241, 28, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 28, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 28, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.6909, 19.5313, 1.8361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 28, 0) }
```

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

```
.background{ background-color: rgb(241, 28,  
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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