

Converting Colors

XYZ(36.7344, 18.9337, 1.8786)

Have a look what the booklet for
XYZ(36.7344, 18.9337, 1.8786)
contains.

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Color

**XYZ(36.6508, 18.8904,
1.8868)**

Conversions

Conversions Part 1	
Format	Color
Hex	F20006
RGB	242, 0, 6
RGB Percent	95%, 0%, 2%
CMY	0.0510, 0.9997, 0.9765
CMYK	0.00, 1.00, 0.98, 0.05
HSL	359°, 100%, 47%
HSV	359°, 100%, 95%
XYZ	36.6508, 18.8904, 1.8868
YIQ	73.0420, 142.3060, 53.1700

Conversions

Conversions Part 2

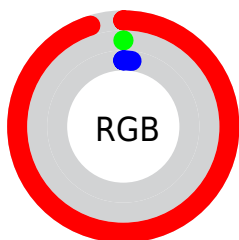
Format	Color
RYB	242, 0, 6
Decimal	15859718
CIELab	50.56, 77.04, 63.00
CIELCh	51, 99.520, 39.276
Yxy	18.8904, 0.6382, 0.3289
Android (android.graphics.Color)	4294049798 (0xFFFF20006)
YUV	73.0420, -33.0517, 148.1762
Hunter-Lab	43.4631, 74.4620, 27.8503

Details

The XYZ color **36.6508, 18.8904, 1.8868** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **46.9020, 69.5638, 90.3594**, and the grayscale version is **6.3849, 6.7175, 7.3153**.

A 20% lighter version of the original color is **46.0850, 29.6023, 7.6998**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **36.6502, 18.8901, 1.8850**, and if you desaturate by 10%, it is **37.1791, 19.6330, 3.0322**.

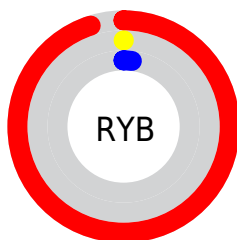
Distribution



Red (95%)

Green (0%)

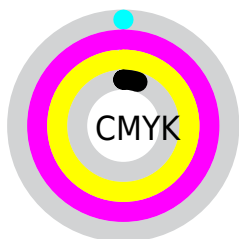
Blue (2%)



Red (95%)

Yellow (0%)

Blue (2%)

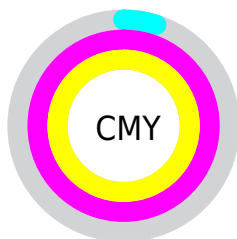


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6508, 18.8904, 1.8868 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 36.6508, 18.8904, 1.8868 by changing the saturation by 10% instead.


 36.6508, 18.8904,
1.8868


 36.6508, 18.8904,
1.8868

 323.1780,
245.8430, 120.5935


 25.1097, 11.5911,
0.4843


 69.3527, 41.5488,
8.7289

 16.2879, 6.4659,
0.0000


 91.2442, 57.6767,
15.0809

 9.8203, 3.1304,
0.0000


 117.3165, 77.5163,
23.9449

 5.3413, 1.2002,
0.0000

 147.9350,
101.4520, 35.7394

 2.4857, 0.0619,
0.0000

 183.4651,
129.8681, 50.8830


 0.8880, 0.0000,
0.0000


 224.2720,


 0.0000, 0.0000,


163.1490, 69.7941


0.0000


 270.7212,
201.6792, 92.8915


 36.6508, 18.8904,
1.8868


 36.6508, 18.8904,
1.8868


 36.6502, 18.8901,
1.8850

 37.1791, 19.6330,
3.0322


 38.3412, 21.2882,
5.4822


 40.3113, 24.1314,
9.5210


 43.2007, 28.3297,
15.3561

 47.1028, 34.0234,
23.1638

 52.1000, 41.3352,
33.0993

 58.2659, 50.3754,
45.3024

 65.6680, 61.2444,
59.9010

 74.3683, 74.0350,
77.0134

Harmonies

Analogous

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



43.4292, 18.8904, 13.0925



36.6508, 18.8904, 1.8868



25.4117, 18.8904, 0.0000

Triad

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



36.6508, 18.8904, 1.8868



5.5355, 18.8904, 6.8488



21.1381, 18.8904, 131.4792

Complementary

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



36.6508, 18.8904, 1.8868



46.9020, 69.5638, 90.3594

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.



12.1211, 18.8904, 122.1908



36.6508, 18.8904, 1.8868



5.1068, 18.8904, 30.4558

Square

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



36.6508, 18.8904, 1.8868



8.5336, 18.8904, 0.7083



7.0269, 18.8904, 76.4464



32.5711, 18.8904, 96.0256

Rectangle

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



36.6508, 18.8904, 1.8868



18.1920, 18.8904, 0.0000



7.0269, 18.8904, 76.4464



17.7196, 18.8904, 133.8892

Sweetspot

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



36.6512, 18.8916, 1.8870



65.5368, 56.6108, 50.8546



49.9378, 23.8935, 85.9835



13.3651, 11.1453, 9.5752



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.



36.6512, 18.8916, 1.8870



41.2743, 21.2737, 2.1105



42.5194, 30.6802, 3.6827



15.7885, 15.7651, 16.4426



19.6962, 10.1509, 1.0506



1.6440, 0.8467, 0.1163

Inverse Universe

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



36.6512, 18.8916, 1.8870



41.2743, 21.2737, 2.1105



23.8906, 22.1370, 87.0173



15.7885, 15.7651, 16.4426



19.6962, 10.1509, 1.0506



1.6440, 0.8467, 0.1163

Previews

White Background



This preview shows how the XYZ color 36.6508, 18.8904, 1.8868 looks on a white background.

Color Contrast Check

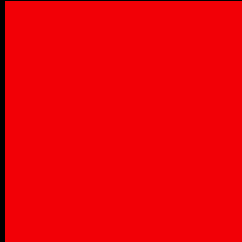
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6508, 18.8904, 1.8868 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 36.6508, 18.8904, 1.8868

Background



This preview shows how black text looks on a background with the XYZ color 36.6508, 18.8904, 1.8868.



This preview shows how white text looks on a background with the XYZ color 36.6508, 18.8904,

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

36.6508, 18.8904, 1.8868

Protanopia

17.5368, 19.3417, 4.1755

Deuteranopia

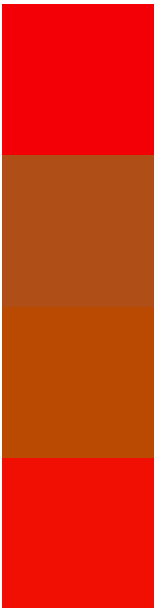
19.5718, 19.3608, 2.7055



Tritanopia

36.2221, 19.0991, 1.7774

Trichromacy



Original Color
36.6508, 18.8904, 1.8868

Protanomaly
20.5582, 14.6246, 2.5499

Deuteranomaly
22.7094, 15.3410, 1.8216

Tritanomaly
36.4436, 19.0192, 1.8077

Monochromacy



Original Color
36.6508, 18.8904, 1.8868

Achromatopsia
6.3328, 6.6626, 7.2556

Achromatomaly
11.3629, 7.2441, 3.7051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6508, 18.8904, 1.8868 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(242, 0, 6)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 6)  
}
```

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(242, 0, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 6) }
```

Border

The CSS property to change the border of an element to XYZ 36.6508, 18.8904, 1.8868 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(242, 0, 6) }
```


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

```
.border{ border-color:rgb(242, 0, 6) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(242, 0, 6); box-shadow:4px  
4px 4px 4px rgb(242, 0, 6) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6508, 18.8904, 1.8868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 6) }
```

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

```
.background{ background-color: rgb(242, 0,  
6) }
```

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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