

Converting Colors

XYZ(36.7698, 18.9479, 2.0651)

Have a look what the booklet for
XYZ(36.7698, 18.9479, 2.0651)
contains.

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Color

**XYZ(36.6843, 18.9038,
2.0631)**

Conversions

Conversions Part 1

Format	Color
Hex	F2000C
RGB	242, 0, 12
RGB Percent	95%, 0%, 5%
CMY	0.0510, 0.9997, 0.9529
CMYK	0.00, 1.00, 0.95, 0.05
HSL	357°, 100%, 47%
HSV	357°, 100%, 95%
XYZ	36.6843, 18.9038, 2.0631
YIQ	73.7260, 140.3800, 55.0360

Conversions

Conversions Part 2

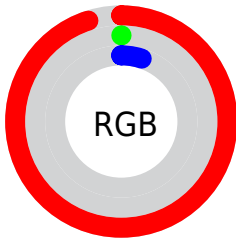
Format	Color
RYB	242, 0, 12
Decimal	15859724
CIELab	50.57, 77.08, 61.46
CIELCh	51, 98.588, 38.568
Yxy	18.9038, 0.6363, 0.3279
Android (android.graphics.Color)	4294049804 (0xFFFF2000C)
YUV	73.7260, -30.4309, 147.5763
Hunter-Lab	43.4785, 74.5192, 27.6216

Details

The XYZ color **36.6843, 18.9038, 2.0631** 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 **46.0445, 69.2209, 85.8440**, and the grayscale version is **6.5013, 6.8399, 7.4486**.

A 20% lighter version of the original color is **46.1681, 29.6356, 8.1374**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **36.6836, 18.9035, 2.0612**, and if you desaturate by 10%, it is **37.2532, 19.6627, 3.4224**.

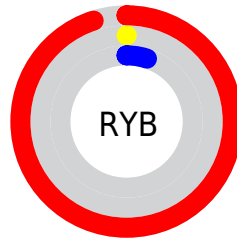
Distribution



Red (95%)

Green (0%)

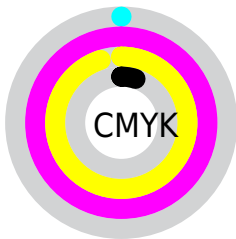
Blue (5%)



Red (95%)

Yellow (0%)

Blue (5%)

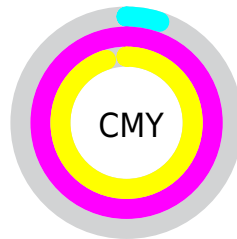


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6843, 18.9038, 2.0631 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 36.6843, 18.9038, 2.0631 by changing the saturation by 10% instead.

 36.6843, 18.9038,
2.0631


 36.6843, 18.9038,
2.0631


323.3210,
245.9172, 123.3490


 25.1357, 11.6008,
0.5937


 69.4040, 41.5715,
9.2126


 16.3075, 6.4725,
0.0000


 91.3057, 57.7049,
15.7752


 9.8342, 3.1344,
0.0000


 117.3893, 77.5507,
24.8878

 5.3506, 1.2023,
0.0000

 148.0199,
101.4931, 36.9689

 2.4913, 0.0636,
0.0000

 183.5631,
129.9165, 52.4370

 0.8908, 0.0000,
0.0000


 224.3841,


 0.0000, 0.0000,


163.2054, 71.7107


0.0000

 270.8483,
201.7442, 95.2085


 36.6843, 18.9038,
2.0631


 36.6843, 18.9038,
2.0631


 36.6836, 18.9035,
2.0612

 37.2532, 19.6627,
3.4224

 38.4577, 21.3348,
6.0956

 40.4640, 24.1925,
10.3250

 43.3797, 28.4013,
16.2987

 47.2955, 34.1004,
24.1782

■ 52.2913, 41.4117,
34.1065

■ 58.4389, 50.4446,
46.2132

■ 65.8039, 61.2987,
60.6168

■ 74.4469, 74.0664,
77.4276

Harmonies

Analogous

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



43.2052, 18.9038, 13.6492



36.6843, 18.9038, 2.0631



25.6191, 18.9038, 0.0000

Triad

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



36.6843, 18.9038, 2.0631



5.6544, 18.9038, 6.6496



20.8702, 18.9038, 130.1794

Complementary

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



36.6843, 18.9038, 2.0631



46.0445, 69.2209, 85.8440

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.



12.0148, 18.9038, 119.9427



36.6843, 18.9038, 2.0631



5.1720, 18.9038, 29.5392

Square

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



36.6843, 18.9038, 2.0631



8.7184, 18.9038, 0.7072



7.0294, 18.9038, 74.5148



32.1625, 18.9038, 96.1310

Rectangle

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



36.6843, 18.9038, 2.0631



18.4342, 18.9038, 0.0000



7.0294, 18.9038, 74.5148



17.5088, 18.9038, 132.1572

Sweetspot

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



36.6847, 18.9050, 2.0633



65.7319, 56.6889, 51.8822



48.6294, 23.2190, 85.9223



13.4092, 11.1629, 9.8076



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.



36.6847, 18.9050, 2.0633



41.3100, 21.2880, 2.2984



42.0797, 29.8006, 3.5361



15.8044, 15.7715, 16.5262



19.7211, 10.1609, 1.1819



1.6516, 0.8497, 0.1564

Inverse Universe

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



36.6847, 18.9050, 2.0633



41.3100, 21.2880, 2.2984



24.4328, 23.2214, 87.1981



15.8044, 15.7715, 16.5262



19.7211, 10.1609, 1.1819



1.6516, 0.8497, 0.1564

Previews

White Background



This preview shows how the XYZ color 36.6843, 18.9038, 2.0631 looks on a white background.

Color Contrast Check

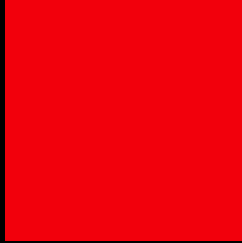
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6843, 18.9038, 2.0631 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 36.6843, 18.9038, 2.0631

Background



This preview shows how black text looks on a background with the XYZ color 36.6843, 18.9038, 2.0631.



This preview shows how white text looks on a background with the XYZ color 36.6843, 18.9038,

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

36.6843, 18.9038, 2.0631

Protanopia

17.5794, 19.3588, 4.4002

Deuteranopia

19.5718, 19.3608, 2.7055



Tritanopia

36.2221, 19.0991, 1.7774

Trichromacy



Original Color

36.6843, 18.9038, 2.0631

Protanomaly

20.6014, 14.6419, 2.7773

Deuteranomaly

22.7204, 15.3454, 1.8793

Tritanomaly

36.4546, 19.0236, 1.8654

Monochromacy



Original Color

36.6843, 18.9038, 2.0631

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.6057, 7.4229, 3.9530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6843, 18.9038, 2.0631 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 36.6843, 18.9038, 2.0631 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, 12) }
```


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

```
.border{ border-color:rgb(242, 0, 12) }
```

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, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.6843, 18.9038, 2.0631 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, 12) }
```

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

```
.background{ background-color: rgb(242, 0,  
12) }
```

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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