

Converting Colors

XYZ(35.9140, 18.6340, 1.7038)

Have a look what the booklet for
XYZ(35.9140, 18.6340, 1.7038)
contains.

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Color

**XYZ(36.0112, 18.6772,
1.7071)**

Conversions

Conversions Part 1

Format	Color
Hex	F00700
RGB	240, 7, 0
RGB Percent	94%, 3%, 0%
CMY	0.0588, 0.9723, 1.0000
CMYK	0.00, 0.97, 1.00, 0.06
HSL	2°, 100%, 47%
HSV	2°, 100%, 94%
XYZ	36.0112, 18.6772, 1.7071
YIQ	75.8690, 141.1150, 47.2190

Conversions

Conversions Part 2

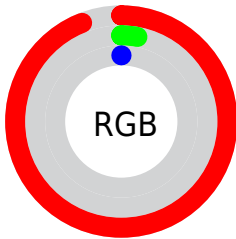
Format	Color
RYB	240, 7, 0
Decimal	15730432
CIELab	50.31, 75.99, 64.27
CIELCh	50, 99.525, 40.221
Yxy	18.6772, 0.6385, 0.3312
Android (android.graphics.Color)	4293920512 (0xFFFF00700)
YUV	75.8690, -37.4034, 143.9429
Hunter-Lab	43.2171, 73.1073, 27.9100

Details

The XYZ color **36.0112, 18.6772, 1.7071** 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 **44.8506, 64.5363, 92.5304**, and the grayscale version is **6.8998, 7.2591, 7.9051**.

A 20% lighter version of the original color is **46.0707, 29.7398, 7.1831**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.0115, 18.6783, 1.7073**, and if you desaturate by 10%, it is **36.5731, 19.5377, 2.7078**.

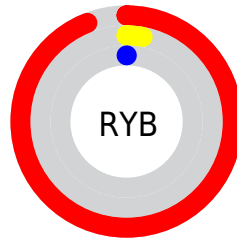
Distribution



Red (94%)

Green (3%)

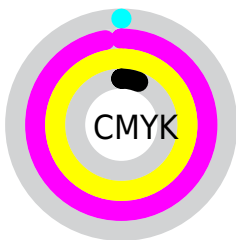
Blue (0%)



Red (94%)

Yellow (3%)

Blue (0%)

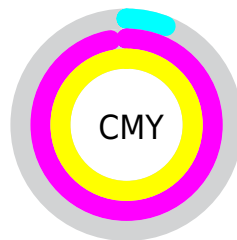


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (97%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0112, 18.6772, 1.7071 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 36.0112, 18.6772, 1.7071 by changing the saturation by 10% instead.


 36.0112, 18.6772,
1.7071


 36.0112, 18.6772,
1.7071


 320.4399,
244.6609, 117.6488

 24.6130, 11.4373,
0.3656


 68.3731, 41.1879,
8.2234


 15.9162, 6.3618,
0.0000


 90.0675, 57.2275,
14.3506


 9.5553, 3.0663,
0.0000


 115.9247, 76.9691,
22.9485

 5.1651, 1.1664,
0.0000

 146.3101,
100.7971, 34.4358

 2.3802, 0.0340,
0.0000

 181.5889,
129.0959, 49.2309

 0.8352, 0.0000,
0.0000


 222.1266,


 0.0000, 0.0000,


162.2498, 67.7525


0.0000


 268.2884,
200.6434, 90.4189


 36.0112, 18.6772,
1.7071


 36.0112, 18.6772,
1.7071


 36.0115, 18.6783,
1.7073

 36.5731, 19.5377,
2.7078

 37.7714, 21.3443,
4.9257

 39.7546, 24.2928,
8.7250

 42.6263, 28.5295,
14.3270

 46.4742, 34.1793,
21.9178

■ 51.3757, 41.3519,
31.6604

■ 57.4001, 50.1466,
43.7008

■ 64.6111, 60.6540,
58.1724

■ 73.0674, 72.9582,
75.1984

Harmonies

Analogous

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



42.9718, 18.6772, 12.2930



36.0112, 18.6772, 1.7071



24.7963, 18.6772, 0.0000

Triad

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



36.0112, 18.6772, 1.7071



5.3949, 18.6772, 7.1382



21.2503, 18.6772, 130.1744

Complementary

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



36.0112, 18.6772, 1.7071



44.8506, 64.5363, 92.5304

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.



12.1870, 18.6772, 122.4361



36.0112, 18.6772, 1.7071



5.0414, 18.6772, 31.2911

Square

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



36.0112, 18.6772, 1.7071



8.2679, 18.6772, 0.7511



7.0232, 18.6772, 77.5241



32.6218, 18.6772, 93.8206

Rectangle

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



36.0112, 18.6772, 1.7071



17.6808, 18.6772, 0.0000



7.0232, 18.6772, 77.5241



17.8236, 18.6772, 133.1002

Sweetspot

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



36.0116, 18.6784, 1.7073



65.7992, 57.4404, 50.0023



51.0752, 24.5813, 81.4091



13.4243, 11.3325, 9.3829



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.



36.0116, 18.6784, 1.7073



41.3214, 21.4228, 1.9571



43.1427, 32.9407, 4.0844



15.8101, 15.8332, 16.3726



19.7301, 10.2582, 0.9401



1.6544, 0.8794, 0.0826

Inverse Universe

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



44.8506, 64.5363, 92.5304



51.4644, 74.0488, 106.1881



21.9736, 18.7823, 84.9047



16.2052, 17.8445, 20.3118



24.5703, 35.3648, 50.6590



2.0565, 2.9670, 4.2185

Previews

White Background



This preview shows how the XYZ color 36.0112, 18.6772, 1.7071 looks on a white background.

Color Contrast Check

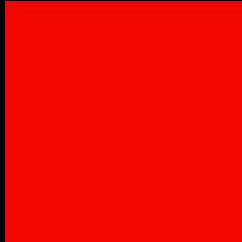
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0112, 18.6772, 1.7071 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 36.0112, 18.6772, 1.7071

Background



This preview shows how black text looks on a background with the XYZ color 36.0112, 18.6772, 1.7071.



This preview shows how white text looks on a background with the XYZ color 36.0112, 18.6772,

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

36.0112, 18.6772, 1.7071

Protanopia

17.2380, 19.0079, 4.0567

Deuteranopia

19.2676, 19.0338, 2.6584

Trichromacy



Original Color

36.0112, 18.6772, 1.7071

Protanomaly

20.4505, 14.7865, 2.4380

Deuteranomaly

22.5920, 15.4832, 1.7978

Monochromacy



Original Color

36.0112, 18.6772, 1.7071

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.8707, 7.8153, 3.6792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0112, 18.6772, 1.7071 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(240, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 7, 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(240, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 7, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.0112, 18.6772, 1.7071 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(240, 7, 0) }
```

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

```
.border{ border-color:rgb(240, 7, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 7, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(240, 7, 0); box-shadow:4px  
4px 4px 4px rgb(240, 7, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 36.0112, 18.6772, 1.7071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 7, 0) }
```

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

```
.background{ background-color: rgb(240, 7,  
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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