

Converting Colors

XYZ(36.2449, 18.6894, 1.6971)

Have a look what the booklet for
XYZ(36.2449, 18.6894, 1.6971)
contains.

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Color

**XYZ(36.2756, 18.7008,
1.6977)**

Conversions

Conversions Part 1

Format	Color
Hex	F10000
RGB	241, 0, 0
RGB Percent	95%, 0%, 0%
CMY	0.0549, 0.9997, 1.0000
CMYK	0.00, 1.00, 1.00, 0.05
HSL	0°, 100%, 47%
HSV	0°, 100%, 95%
XYZ	36.2756, 18.7008, 1.6977
YIQ	72.0590, 143.6360, 51.0920

Conversions

Conversions Part 2

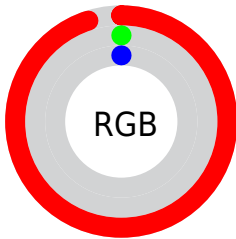
Format	Color
R_{YB}	241, 0, 0
Decimal	15794176
CIE Lab	50.34, 76.76, 64.41
CIE LCh	50, 100.198, 40.000
Yxy	18.7008, 0.6401, 0.3300
Android (android.graphics.Color)	4293984256 (0xFFFF10000)
YUV	72.0590, -35.5251, 148.1613
Hunter-Lab	43.2444, 74.0571, 27.9435

Details

The XYZ color **36.2756, 18.7008, 1.6977** 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 **47.3132, 69.2232, 94.0860**, and the grayscale version is **6.2179, 6.5417, 7.1239**.

A 20% lighter version of the original color is **45.8929, 29.3841, 7.1238**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.2760, 18.7020, 1.6979**, and if you desaturate by 10%, it is **36.7711, 19.4268, 2.6814**.

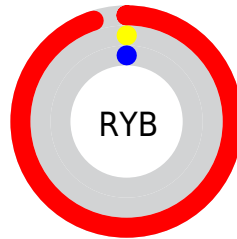
Distribution



Red (95%)

Green (0%)

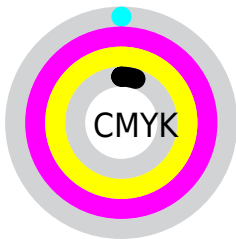
Blue (0%)



Red (95%)

Yellow (0%)

Blue (0%)

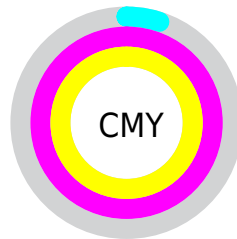


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2756, 18.7008, 1.6977 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 36.2756, 18.7008, 1.6977 by changing the saturation by 10% instead.


 36.2756, 18.7008,
1.6977


 36.2756, 18.7008,
1.6977


 321.5738,
244.7920, 117.4906


 24.8182, 11.4543,
0.3592

 68.7783, 41.2279,
8.1965

 16.0697, 6.3733,
0.0000


 90.5544, 57.2773,
14.3117


 9.6646, 3.0734,
0.0000


 116.5007, 77.0297,
22.8953

 5.2377, 1.1701,
0.0000

 146.9827,
100.8697, 34.3661

 2.4236, 0.0371,
0.0000

 182.3656,
129.1815, 49.1424


 0.8569, 0.0000,
0.0000


 223.0149,


 0.0000, 0.0000,


162.3495, 67.6429


0.0000


 269.2958,
200.7582, 90.2861


 36.2756, 18.7008,
1.6977


 36.2756, 18.7008,
1.6977


 36.2760, 18.7020,
1.6979

 36.7711, 19.4268,
2.6814

 37.8802, 21.0503,
4.8848

 39.7946, 23.8520,
8.6891

 42.6282, 27.9987,
14.3210

 46.4767, 33.6304,
21.9710

■ 51.4238, 40.8695,
31.8054

■ 57.5446, 49.8259,
43.9736

■ 64.9075, 60.5996,
58.6117

■ 73.5757, 73.2831,
75.8453

Harmonies

Analogous

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



43.2584, 18.7008, 12.4110



36.2756, 18.7008, 1.6977



24.9622, 18.7008, 0.0000

Triad

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



36.2756, 18.7008, 1.6977



5.3627, 18.7008, 6.9951



21.2209, 18.7008, 131.6128

Complementary

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



36.2756, 18.7008, 1.6977



47.3132, 69.2232, 94.0860

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.



12.1189, 18.7008, 123.4118



36.2756, 18.7008, 1.6977



4.9924, 18.7008, 31.1406

Square

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



36.2756, 18.7008, 1.6977



8.2656, 18.7008, 0.7011



6.9589, 18.7008, 77.7696



32.6947, 18.7008, 95.0253

Rectangle

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



36.2756, 18.7008, 1.6977



17.7745, 18.7008, 0.0000



6.9589, 18.7008, 77.7696



17.7746, 18.7008, 134.4543

Sweetspot

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



36.2760, 18.7020, 1.6979



65.3503, 56.5427, 49.8527



52.1523, 25.0514, 85.3049



13.3230, 11.1299, 9.3492



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.



36.2760, 18.7020, 1.6979



41.2407, 21.2615, 1.9302



43.0521, 32.2542, 3.9566



15.7732, 15.7595, 16.3603



19.6720, 10.1421, 0.9208



1.6366, 0.8440, 0.0766

Inverse Universe

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



47.3132, 69.2232, 94.0860



53.7885, 78.6971, 106.9628



22.6539, 19.9044, 85.8662



16.2471, 17.9282, 20.3258



25.6573, 37.5389, 51.0213



2.1346, 3.1231, 4.2445

Previews

White Background



This preview shows how the XYZ color 36.2756, 18.7008, 1.6977 looks on a white background.

Color Contrast Check

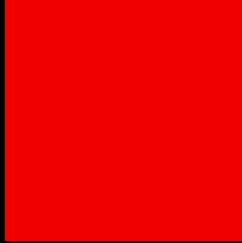
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2756, 18.7008, 1.6977 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 36.2756, 18.7008, 1.6977

Background



This preview shows how black text looks on a background with the XYZ color 36.2756, 18.7008, 1.6977.



This preview shows how white text looks on a background with the XYZ color 36.2756, 18.7008,

1.6977.

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

36.2756, 18.7008, 1.6977

Protanopia

17.5234, 19.3364, 4.1050

Deuteranopia

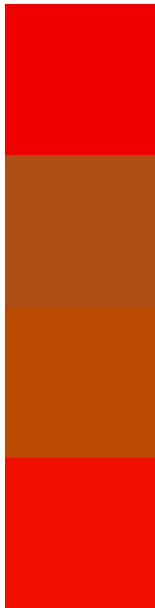
19.3823, 19.2631, 2.6966



Tritanopia

35.8835, 18.9245, 1.7615

Trichromacy



Original Color

36.2756, 18.7008, 1.6977

Protanomaly

20.5299, 14.6132, 2.4004

Deuteranomaly

22.4564, 15.2118, 1.7526

Tritanomaly

36.0922, 18.8393, 1.7341

Monochromacy



Original Color

36.2756, 18.7008, 1.6977

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

11.1430, 7.1378, 3.3752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2756, 18.7008, 1.6977 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, 0, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 36.2756, 18.7008, 1.6977 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, 0, 0) }
```


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

```
.border{ border-color:rgb(241, 0, 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, 0, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 36.2756, 18.7008, 1.6977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(241, 0,  
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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