

Converting Colors

XYZ(36.0891, 18.5751, 3.0232)

Have a look what the booklet for
XYZ(36.0891, 18.5751, 3.0232)
contains.

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Color

**XYZ(36.1959, 18.6295,
3.0546)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F00020 |
| RGB | 240, 0, 32 |
| RGB Percent | 94%, 0%, 13% |
| CMY | 0.0588, 0.9998, 0.8745 |
| CMYK | 0.00, 1.00, 0.87, 0.06 |
| HSL | 352°, 100%, 47% |
| HSV | 352°, 100%, 94% |
| XYZ | 36.1959, 18.6295, 3.0546 |
| YIQ | 75.4080, 132.7680, 60.8320 |

Conversions

Conversions Part 2

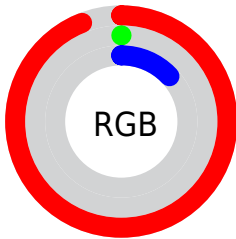
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 240, 0, 32 |
| Decimal | 15728672 |
| CIELab | 50.25, 76.85, 53.45 |
| CIELCh | 50, 93.616, 34.820 |
| Yxy | 18.6295, 0.6254, 0.3219 |
| Android (android.graphics.Color) | 4293918752 (0xFFFF0020) |
| YUV | 75.4080, -21.4001, 144.3472 |
| Hunter-Lab | 43.1619, 74.1581, 26.0173 |

Details

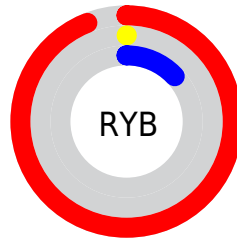
The XYZ color **36.1959, 18.6295, 3.0546** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **42.5529, 66.8770, 70.3774**, and the grayscale version is **6.7881, 7.1416, 7.7772**.

A 20% lighter version of the original color is **46.6540, 29.8299, 10.6959**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.1950, 18.6292, 3.0510**, and if you desaturate by 10%, it is **36.9009, 19.4361, 5.1514**.

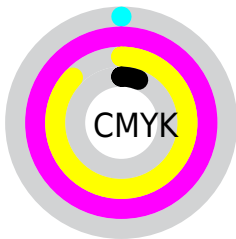
Distribution



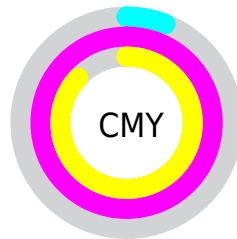
- Red (94%)
- Green (0%)
- Blue (13%)



- Red (94%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1959, 18.6295, 3.0546 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 36.1959, 18.6295, 3.0546 by changing the saturation by 10% instead.


 36.1959, 18.6295,
3.0546


 36.1959, 18.6295,
3.0546


321.2323,
244.3957, 137.0530


 24.7563, 11.4029,
1.1226


 68.6562, 41.1071,
11.7629

 16.0234, 6.3385,
0.0000


 90.4077, 57.1269,
19.3762


 9.6316, 3.0520,
0.0000


 116.3272, 76.8464,
29.7204

 5.2158, 1.1589,
0.0000

 146.7800,
100.6503, 43.2140

 2.4105, 0.0278,
0.0000

 182.1316,
128.9227, 60.2755


 0.8503, 0.0000,
0.0000


 222.7473,


 0.0000, 0.0000,


162.0482, 81.3235


0.0000


 268.9924,
200.4110, 106.7765


 36.1959, 18.6295,
3.0546


 36.1959, 18.6295,
3.0546


 36.1950, 18.6292,
3.0510

 36.9009, 19.4361,
5.1514

 38.2172, 21.1330,
8.4747

 40.2951, 23.9830,
13.1930

 43.2303, 28.1444,
19.4401

 47.1041, 33.7504,
27.3337

■ 51.9883, 40.9178,
36.9801

■ 57.9476, 49.7515,
48.4765

■ 65.0412, 60.3474,
61.9128

■ 73.3241, 72.7939,
77.3731

Harmonies

Analogous

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



41.3455, 18.6295, 16.3757



36.1959, 18.6295, 3.0546



26.1975, 18.6295, 0.1342

Triad

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



36.1959, 18.6295, 3.0546



6.1603, 18.6295, 5.6041



19.2107, 18.6295, 121.6166

Complementary

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



36.1959, 18.6295, 3.0546



42.5529, 66.8770, 70.3774

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.



11.2830, 18.6295, 107.1708



36.1959, 18.6295, 3.0546



5.4053, 18.6295, 24.7702

Square

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



36.1959, 18.6295, 3.0546



9.5084, 18.6295, 0.6841



6.9129, 18.6295, 64.1680



29.6279, 18.6295, 94.9545

Rectangle

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



36.1959, 18.6295, 3.0546



19.3260, 18.6295, 0.0000



6.9129, 18.6295, 64.1680



16.1806, 18.6295, 121.5265

Sweetspot

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



36.1963, 18.6307, 3.0548



66.4111, 56.9605, 55.4587



41.7432, 19.7034, 84.0406



13.5637, 11.2247, 10.6214



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.



36.1963, 18.6307, 3.0548



41.5280, 21.3752, 3.4464



39.4280, 25.5108, 2.8477



15.8585, 15.7931, 16.8109



19.8410, 10.2088, 1.8132



1.6774, 0.8600, 0.2920

Inverse Universe

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



36.1963, 18.6307, 3.0548



41.5280, 21.3752, 3.4464



26.9605, 28.7549, 86.5668



15.8585, 15.7931, 16.8109



19.8410, 10.2088, 1.8132



1.6774, 0.8600, 0.2920

Previews

White Background



This preview shows how the XYZ color 36.1959, 18.6295, 3.0546 looks on a white background.

Color Contrast Check

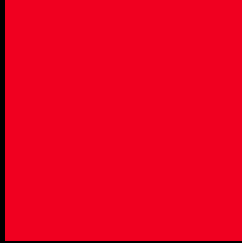
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1959, 18.6295, 3.0546 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 36.1959, 18.6295, 3.0546

Background



This preview shows how black text looks on a background with the XYZ color 36.1959, 18.6295, 3.0546.



This preview shows how white text looks on a background with the XYZ color 36.1959, 18.6295,

3.0546.

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

36.1959, 18.6295, 3.0546

Protanopia

17.4949, 19.0920, 6.2531

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.8835, 18.9245, 1.7615

Trichromacy



Original Color

36.1959, 18.6295, 3.0546



Protanomaly

20.3806, 14.3892, 4.2880



Deuteranomaly

22.4565, 15.1059, 2.0800



Tritanomaly

35.8200, 18.6913, 2.0677

Monochromacy



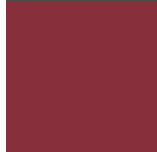
Original Color

36.1959, 18.6295, 3.0546



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.8380, 7.5806, 4.9769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1959, 18.6295, 3.0546 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, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 32)  
}
```

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, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 32) }
```

Border

The CSS property to change the border of an element to XYZ 36.1959, 18.6295, 3.0546 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, 0, 32) }
```


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

```
.border{ border-color:rgb(240, 0, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.1959, 18.6295, 3.0546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 32) }
```

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

```
.background{ background-color: rgb(240, 0,  
32) }
```

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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