

Converting Colors

XYZ(36.2394, 18.6352, 3.8147)

Have a look what the booklet for
XYZ(36.2394, 18.6352, 3.8147)
contains.

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Color

**XYZ(36.3354, 18.6854,
3.7894)**

Conversions

Conversions Part 1

Format	Color
Hex	F00029
RGB	240, 0, 41
RGB Percent	94%, 0%, 16%
CMY	0.0588, 0.9997, 0.8392
CMYK	0.00, 1.00, 0.83, 0.06
HSL	350°, 100%, 47%
HSV	350°, 100%, 94%
XYZ	36.3354, 18.6854, 3.7894
YIQ	76.4340, 129.8790, 63.6310

Conversions

Conversions Part 2

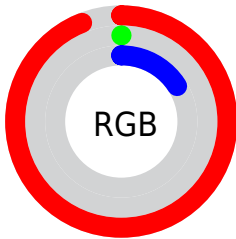
Format	Color
R_{YB}	240, 0, 41
Decimal	15728681
CIE _{Lab}	50.32, 77.03, 49.04
CIE _{LCh}	50, 91.320, 32.482
Yxy	18.6854, 0.6178, 0.3177
Android (android.graphics.Color)	4293918761 (0xFFFF00029)
YUV	76.4340, -17.4690, 143.4474
Hunter-Lab	43.2266, 74.3969, 25.0611

Details

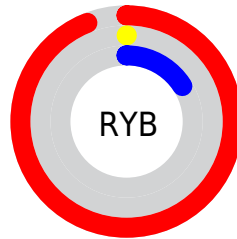
The XYZ color **36.3354, 18.6854, 3.7894** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.4767, 66.4465, 64.7106**, and the grayscale version is **6.9702, 7.3332, 7.9859**.

A 20% lighter version of the original color is **47.0042, 29.9700, 12.5399**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.3342, 18.6848, 3.7845**, and if you desaturate by 10%, it is **37.1026, 19.5169, 6.2132**.

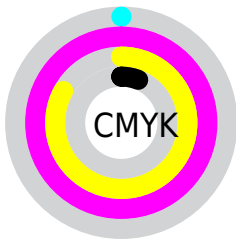
Distribution



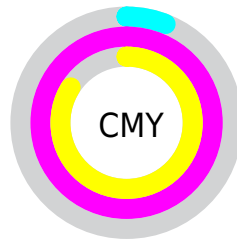
- Red (94%)
- Green (0%)
- Blue (16%)



- Red (94%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3354, 18.6854, 3.7894 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 36.3354, 18.6854, 3.7894 by changing the saturation by 10% instead.

 36.3354, 18.6854,
3.7894


 36.3354, 18.6854,
3.7894


321.8299,
244.7064, 145.8550


 24.8647, 11.4432,
1.5105


 68.8699, 41.2018,
13.5211

 16.1044, 6.3658,
0.2258


 90.6644, 57.2448,
21.8109


 9.6894, 3.0687,
0.0000


 116.6309, 76.9902,
32.9416

 5.2542, 1.1677,
0.0000

 147.1346,
100.8223, 47.3315

 2.4334, 0.0351,
0.0000

 182.5410,
129.1256, 65.3993

 0.8618, 0.0000,
0.0000

 223.2155,

 0.0000, 0.0000,

162.2845, 87.5634

0.0000

269.5233,
200.6833, 114.2425

■ 36.3354, 18.6854,
3.7894

■ 36.3354, 18.6854,
3.7894

■ 36.3342, 18.6848,
3.7845

■ 37.1026, 19.5169,
6.2132

■ 38.4726, 21.2355,
9.8186

■ 40.5915, 24.1022,
14.7519

■ 43.5516, 28.2738,
21.1297

■ 47.4316, 33.8825,
29.0551

■ 52.3008, 41.0443,
38.6219

■ 58.2219, 49.8631,
49.9162

■ 65.2522, 60.4339,
63.0179

■ 73.4449, 72.8447,
78.0021

Harmonies

Analogous

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



40.7701, 18.6854, 18.3065



36.3354, 18.6854, 3.7894



26.8421, 18.6854, 0.4031

Triad

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



36.3354, 18.6854, 3.7894



6.5374, 18.6854, 5.1113



18.5072, 18.6854, 118.2429

Complementary

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



36.3354, 18.6854, 3.7894



41.4767, 66.4465, 64.7106

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.



10.9993, 18.6854, 101.4297



36.3354, 18.6854, 3.7894



5.6048, 18.6854, 22.5300

Square

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



36.3354, 18.6854, 3.7894



10.0976, 18.6854, 0.6795



6.9234, 18.6854, 59.3580



28.5588, 18.6854, 95.3932

Rectangle

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



36.3354, 18.6854, 3.7894



20.0813, 18.6854, 0.0000



6.9234, 18.6854, 59.3580



15.6247, 18.6854, 117.0402

Sweetspot

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



36.3358, 18.6866, 3.7896



66.7249, 57.0861, 57.1112



38.4966, 18.0299, 83.8884



13.6356, 11.2535, 10.9999



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.



36.3358, 18.6866, 3.7896



41.6854, 21.4382, 4.2754



38.5227, 23.7002, 2.5461



15.8828, 15.8028, 16.9393



19.9231, 10.2417, 2.2456



1.6889, 0.8646, 0.3527

Inverse Universe

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



36.3358, 18.6866, 3.7896



41.6854, 21.4382, 4.2754



29.0078, 32.8496, 87.2491



15.8828, 15.8028, 16.9393



19.9231, 10.2417, 2.2456



1.6889, 0.8646, 0.3527

Previews

White Background



This preview shows how the XYZ color 36.3354, 18.6854, 3.7894 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 36.3354, 18.6854, 3.7894 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 36.3354, 18.6854, 3.7894

Background



This preview shows how black text looks on a background with the XYZ color 36.3354, 18.6854, 3.7894.



This preview shows how white text looks on a background with the XYZ color 36.3354, 18.6854,

3.7894.

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

36.3354, 18.6854, 3.7894

Protanopia

17.7452, 19.3691, 7.8044

Deuteranopia

19.3611, 19.0712, 3.1509



Tritanopia

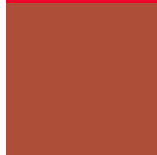
35.8648, 18.8871, 1.7553

Trichromacy



Original Color

36.3354, 18.6854, 3.7894



Protanomaly

20.6718, 14.6185, 5.4735



Deuteranomaly

22.5656, 15.1496, 2.6545



Tritanomaly

35.8268, 18.6731, 2.1679

Monochromacy



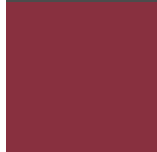
Original Color

36.3354, 18.6854, 3.7894



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

12.1075, 7.7070, 5.5521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3354, 18.6854, 3.7894 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 41) }
```

Border

The CSS property to change the border of an element to XYZ 36.3354, 18.6854, 3.7894 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, 41) }
```


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

```
.border{ border-color:rgb(240, 0, 41) }
```

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, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3354, 18.6854, 3.7894 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, 41) }
```

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

```
.background{ background-color: rgb(240, 0,  
41) }
```

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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