

Converting Colors

XYZ(36.7569, 18.8422, 6.5402)

Have a look what the booklet for
XYZ(36.7569, 18.8422, 6.5402)
contains.

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Color

**XYZ(36.8606, 18.8954,
6.5549)**

Conversions

Conversions Part 1

Format	Color
Hex	F00040
RGB	240, 0, 64
RGB Percent	94%, 0%, 25%
CMY	0.0588, 0.9998, 0.7490
CMYK	0.00, 1.00, 0.73, 0.06
HSL	344°, 100%, 47%
HSV	344°, 100%, 94%
XYZ	36.8606, 18.8954, 6.5549
YIQ	79.0560, 122.4960, 70.7840

Conversions

Conversions Part 2

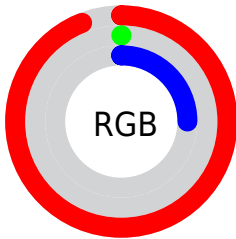
Format	Color
R_{YB}	240, 0, 64
Decimal	15728704
CIE _{Lab}	50.56, 77.71, 36.38
CIE _{LCh}	51, 85.802, 25.089
Yxy	18.8954, 0.5916, 0.3032
Android (android.graphics.Color)	4293918784 (0xFFFF0040)
YUV	79.0560, -7.4226, 141.1479
Hunter-Lab	43.4688, 75.2935, 21.4875

Details

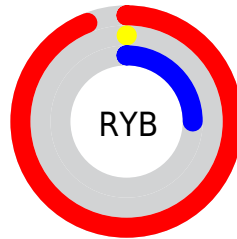
The XYZ color **36.8606, 18.8954, 6.5549** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **39.0028, 65.4571, 51.6831**, and the grayscale version is **7.4460, 7.8338, 8.5310**.

A 20% lighter version of the original color is **48.1673, 30.4353, 18.6651**, and **17.8240, 9.1719, 1.5900** is the 20% darker color. If you saturate the color by 10%, you get **36.8592, 18.8948, 6.5485**, and if you desaturate by 10%, it is **37.7708, 19.7840, 9.7319**.

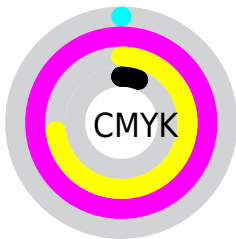
Distribution



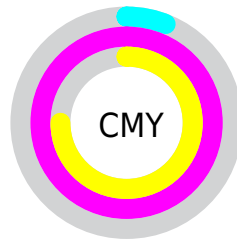
- Red (94%)
- Green (0%)
- Blue (25%)



- Red (94%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8606, 18.8954, 6.5549 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 36.8606, 18.8954, 6.5549 by changing the saturation by 10% instead.


 36.8606, 18.8954,
6.5549


 36.8606, 18.8954,
6.5549


324.0726,
245.8707, 173.4004

 25.2728, 11.5947,
3.1111


 69.6736, 41.5573,
19.5694

 16.4102, 6.4684,
1.1517


 91.6294, 57.6873,
29.9772

 9.9076, 3.1319,
0.0000


 117.7719, 77.5291,
43.5435

 5.3995, 1.2010,
0.0000

 148.4665,
101.4673, 60.6868

 2.5207, 0.0625,
0.0000

 184.0785,
129.8861, 81.8255

 0.9057, 0.0000,
0.0000

 224.9733,

 0.0000, 0.0000,

163.1701, 107.3784

0.0000

271.5162,
201.7035, 137.7638

■ 36.8606, 18.8954,
6.5549

■ 36.8606, 18.8954,
6.5549

■ 36.8592, 18.8948,
6.5485

■ 37.7708, 19.7840,
9.7319

■ 39.2564, 21.5487,
13.9471

■ 41.4560, 24.4474,
19.3059

■ 44.4554, 28.6345,
25.8911

■ 48.3277, 34.2399,
33.7768

■ 53.1374, 41.3775,
43.0308

■ 58.9426, 50.1497,
53.7161

■ 65.7968, 60.6498,
65.8913

■ 73.7494, 72.9642,
79.6121

Harmonies

Analogous

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



39.2708, 18.8954, 24.7829



36.8606, 18.8954, 6.5549



28.8490, 18.8954, 1.1917

Triad

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



36.8606, 18.8954, 6.5549



7.7221, 18.8954, 3.8530



16.6151, 18.8954, 109.2980

Complementary

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



36.8606, 18.8954, 6.5549



39.0028, 65.4571, 51.6831

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.



10.2264, 18.8954, 86.3543



36.8606, 18.8954, 6.5549



6.2143, 18.8954, 16.8706

Square

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



36.8606, 18.8954, 6.5549



11.9573, 18.8954, 0.6623



6.9626, 18.8954, 46.9980



25.6944, 18.8954, 97.0474

Rectangle

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



36.8606, 18.8954, 6.5549



22.4329, 18.8954, 0.2984



6.9626, 18.8954, 46.9980



14.1243, 18.8954, 105.1367

Sweetspot

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



36.8610, 18.8966, 6.5552



67.5557, 57.4184, 61.4860



33.6367, 15.5244, 83.6612



13.8271, 11.3301, 12.0083



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.



36.8610, 18.8966, 6.5552



42.2820, 21.6768, 7.4171



37.3516, 21.3580, 2.1555



15.9458, 15.8280, 17.2706



20.2243, 10.3622, 3.8319



1.7224, 0.8780, 0.5288

Inverse Universe

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



36.8610, 18.8966, 6.5552



42.2820, 21.6768, 7.4171



32.8721, 40.5781, 88.5374



15.9458, 15.8280, 17.2706



20.2243, 10.3622, 3.8319



1.7224, 0.8780, 0.5288

Previews

White Background



This preview shows how the XYZ color 36.8606, 18.8954, 6.5549 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 36.8606, 18.8954, 6.5549 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 36.8606, 18.8954, 6.5549

Background



This preview shows how black text looks on a background with the XYZ color 36.8606, 18.8954, 6.5549.



This preview shows how white text looks on a background with the XYZ color 36.8606, 18.8954,

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

36.8606, 18.8954, 6.5549

Protanopia

18.2768, 19.5094, 13.8687

Deuteranopia

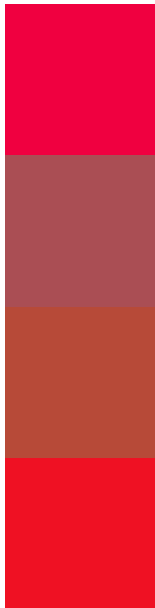
19.6054, 19.3091, 5.8257



Tritanopia

36.0835, 19.1365, 2.4080

Trichromacy



Original Color

36.8606, 18.8954, 6.5549

Protanomaly

20.9022, 14.6349, 10.1107

Deuteranomaly

22.6910, 15.2504, 5.4890

Tritanomaly

36.1004, 18.8730, 3.3303

Monochromacy



Original Color

36.8606, 18.8954, 6.5549

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.8579, 8.1789, 7.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8606, 18.8954, 6.5549 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 64) }
```

Border

The CSS property to change the border of an element to XYZ 36.8606, 18.8954, 6.5549 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, 64) }
```


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

```
.border{ border-color:rgb(240, 0, 64) }
```

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, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.8606, 18.8954, 6.5549 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, 64) }
```

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

```
.background{ background-color: rgb(240, 0,  
64) }
```

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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