

Converting Colors

XYZ(38.1074, 21.9449, 5.3114)

Have a look what the booklet for
XYZ(38.1074, 21.9449, 5.3114)
contains.

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Color

**XYZ(38.1486, 21.9960,
5.3670)**

Conversions

Conversions Part 1

Format	Color
Hex	F03C33
RGB	240, 60, 51
RGB Percent	94%, 24%, 20%
CMY	0.0588, 0.7647, 0.8000
CMYK	0.00, 0.75, 0.79, 0.06
HSL	3°, 86%, 57%
HSV	3°, 79%, 94%
XYZ	38.1486, 21.9960, 5.3670
YIQ	112.7940, 110.1690, 35.3610

Conversions

Conversions Part 2

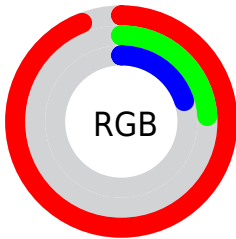
Format	Color
R_{YB}	240, 60, 51
Decimal	15744051
CIE _{Lab}	54.02, 67.00, 47.40
CIE _{LCh}	54, 82.070, 35.277
Yxy	21.9960, 0.5823, 0.3358
Android (android.graphics.Color)	4293934131 (0xFFFF03C33)
YUV	112.7940, -30.4644, 111.5597
Hunter-Lab	46.8999, 63.1179, 26.0451

Details

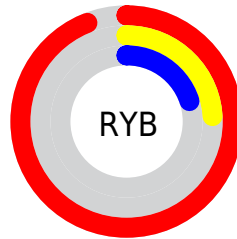
The XYZ color **38.1486, 21.9960, 5.3670** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **45.6655, 64.1394, 92.4108**, and the grayscale version is **15.7012, 16.5189, 17.9890**.

A 20% lighter version of the original color is **50.3295, 35.8356, 16.0687**, and **17.7066, 9.1249, 0.9716** is the 20% darker color. If you saturate the color by 10%, you get **36.7993, 19.9373, 2.9457**, and if you desaturate by 10%, it is **40.2882, 25.1997, 9.3974**.

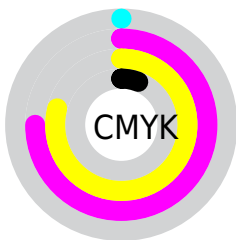
Distribution



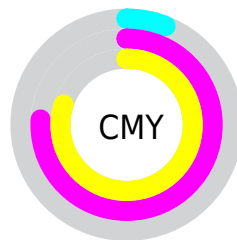
- Red (94%)
- Green (24%)
- Blue (20%)



- Red (94%)
- Yellow (24%)
- Blue (20%)



- Cyan (0%)
- Magenta (75%)
- Yellow (79%)
- Black (6%)





- Cyan (6%)
- Magenta (76%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1486, 21.9960, 5.3670 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 38.1486, 21.9960, 5.3670 by changing the saturation by 10% instead.


 38.1486, 21.9960,
5.3670


 38.1486, 21.9960,
5.3670


329.5268,
262.5254, 162.3857


 26.2758, 13.8540,
2.4017


 71.6383, 46.7394,
17.0566


 17.1638, 8.0192,
0.7874


 93.9858, 64.1095,
26.6179


 10.4474, 4.1072,
0.0000


 120.5557, 85.3245,
39.2150

 5.7611, 1.7337,
0.0000

 151.7132,
110.7687, 55.2664

 2.7396, 0.4453,
0.0000

 187.8237,
140.8264, 75.1906

 1.0176, 0.0000,
0.0000

 229.2526,

 0.0000, 0.0000,

175.8822, 99.4062

0.0000

276.3652,
216.3204, 128.3317

■ 38.1486, 21.9960,
5.3670

■ 38.1486, 21.9960,
5.3670

■ 36.7993, 19.9373,
2.9457

■ 40.2882, 25.1997,
9.3974

■ 36.1125, 18.8540,
1.8220


■ 43.3128, 29.6774,
15.2501


■ 36.0598, 18.7748,
1.7233

■ 47.3052, 35.5454,
23.1069

■ 52.3383, 42.9054,
33.1271

■ 58.4780, 51.8501,
45.4544

 65.7849, 62.4644,
60.2198

 74.3149, 74.8271,
77.5445

 84.1206, 89.0121,
97.5419

 89.7449, 97.2651,
108.6517

Harmonies

Analogous

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



42.9019, 21.9960, 19.7328



38.1486, 21.9960, 5.3670



28.8812, 21.9960, 1.3405

Triad

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



38.1486, 21.9960, 5.3670



8.9265, 21.9960, 8.7797



22.5146, 21.9960, 112.9359

Complementary

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



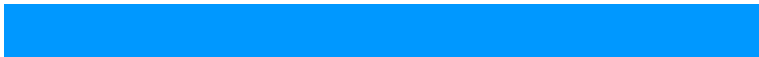
38.1486, 21.9960, 5.3670



45.6655, 64.1394, 92.4108

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.



14.5542, 21.9960, 101.3493



38.1486, 21.9960, 5.3670



8.1075, 21.9960, 28.7287

Square

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



38.1486, 21.9960, 5.3670



12.5229, 21.9960, 2.1111



9.8457, 21.9960, 64.6817



32.3837, 21.9960, 90.0454

Rectangle

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



38.1486, 21.9960, 5.3670



22.3425, 21.9960, 0.7936



9.8457, 21.9960, 64.6817



19.5335, 21.9960, 113.0516

Sweetspot

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



38.1491, 21.9973, 5.3673



70.8575, 64.9508, 59.7234



51.9269, 26.8161, 80.0548



14.5471, 13.0020, 11.5334



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.



38.1491, 21.9973, 5.3673



41.7142, 22.0669, 2.5240



47.7283, 41.1558, 8.5604



15.8333, 15.8796, 16.3803



19.7665, 10.3311, 0.9523



1.6655, 0.9017, 0.0863

Inverse Universe

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



45.6655, 64.1394, 92.4108



50.4732, 71.7667, 105.7999



26.3550, 25.5183, 85.9740



16.1790, 17.7921, 20.3031



23.9096, 34.0435, 50.4387



2.0088, 2.8716, 4.2026

Previews

White Background



This preview shows how the XYZ color 38.1486, 21.9960, 5.3670 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 38.1486, 21.9960, 5.3670 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 38.1486, 21.9960, 5.3670

Background



This preview shows how black text looks on a background with the XYZ color 38.1486, 21.9960, 5.3670.



This preview shows how white text looks on a background with the XYZ color 38.1486, 21.9960,

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

38.1486, 21.9960, 5.3670

Protanopia

20.4477, 22.2598, 9.1801

Deuteranopia

22.5057, 22.0798, 4.7447



Tritanopia

38.3148, 21.9794, 6.4980

Trichromacy



Original Color

38.1486, 21.9960, 5.3670

Protanomaly

24.3371, 19.9383, 7.4163

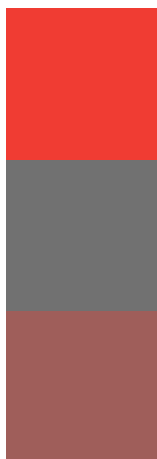
Deuteranomaly

26.4433, 20.3508, 4.6322

Tritanomaly

38.2377, 21.9486, 6.0920

Monochromacy



Original Color

38.1486, 21.9960, 5.3670

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

20.1462, 16.1145, 11.7215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1486, 21.9960, 5.3670 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, 60, 51)` looks like.

```
.text, #text, p{  
    color:rgb(240, 60, 51)  
}
```

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, 60, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 60, 51) }
```

Border

The CSS property to change the border of an element to XYZ 38.1486, 21.9960, 5.3670 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, 60, 51) }
```


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

```
.border{ border-color:rgb(240, 60, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 60, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 60, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 60, 51);  
box-shadow:4px 4px 4px 4px rgb(240, 60,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1486, 21.9960, 5.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 60, 51) }
```

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

```
.background{ background-color: rgb(240, 60,  
51) }
```

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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