

Converting Colors

XYZ(37.9405, 19.5181, 3.6232)

Have a look what the booklet for
XYZ(37.9405, 19.5181, 3.6232)
contains.

XYZ(38.0060, 19.5524, 3.6046)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.0060, 19.5524,
3.6046)**

Conversions

Conversions Part 1

Format	Color
Hex	F50026
RGB	245, 0, 38
RGB Percent	96%, 0%, 15%
CMY	0.0392, 0.9997, 0.8510
CMYK	0.00, 1.00, 0.84, 0.04
HSL	351°, 100%, 48%
HSV	351°, 100%, 96%
XYZ	38.0060, 19.5524, 3.6046
YIQ	77.5870, 133.8220, 63.7580

Conversions

Conversions Part 2

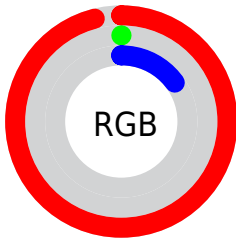
Format	Color
RYB	245, 0, 38
Decimal	16056358
CIELab	51.33, 78.16, 51.86
CIELCh	51, 93.800, 33.567
Yxy	19.5524, 0.6214, 0.3197
Android (android.graphics.Color)	4294246438 (0xFFFF50026)
YUV	77.5870, -19.5164, 146.8212
Hunter-Lab	44.2181, 76.0413, 26.1194

Details

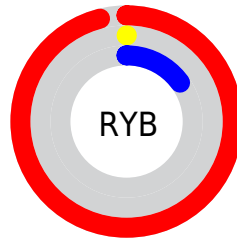
The XYZ color **38.0060, 19.5524, 3.6046** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.9231, 69.8127, 70.2322**, and the grayscale version is **7.1883, 7.5626, 8.2357**.

A 20% lighter version of the original color is **46.9719, 30.1003, 11.9286**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **38.0048, 19.5519, 3.6000**, and if you desaturate by 10%, it is **38.7761, 20.4018, 5.9920**.

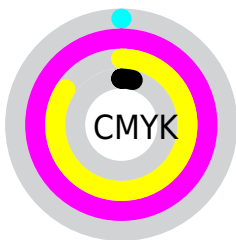
Distribution



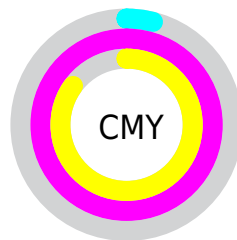
- Red (96%)
- Green (0%)
- Blue (15%)



- Red (96%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0060, 19.5524, 3.6046 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 38.0060, 19.5524, 3.6046 by changing the saturation by 10% instead.


 38.0060, 19.5524,
3.6046


 38.0060, 19.5524,
3.6046

328.9261,
249.4816, 143.7235


 26.1646, 12.0701,
1.4110


 71.4212, 42.6655,
13.0871


 17.0801, 6.7914,
0.1503


 93.7256, 59.0650,
21.2131

 10.3873, 3.3320,
0.0000


 120.2485, 79.2058,
32.1536

 5.7207, 1.3074,
0.0000

 151.3551,
103.4722, 46.3272

 2.7151, 0.1469,
0.0000

 187.4108,
132.2485, 64.1525

 1.0049, 0.0000,
0.0000

 228.7810,

 0.0000, 0.0000,

165.9193, 86.0480

0.0000

275.8310,
204.8688, 112.4321

38.0060, 19.5524,
3.6046

38.0060, 19.5524,
3.6046

38.0048, 19.5519,
3.6000

38.7761, 20.4018,
5.9920

40.1832, 22.1849,
9.6401

42.3816, 25.1743,
14.7116

45.4699, 29.5359,
21.3365

49.5319, 35.4092,
29.6296

■ 54.6419, 42.9167,
39.6947

■ 60.8663, 52.1680,
51.6273

■ 68.2666, 63.2636,
65.5157

■ 76.8992, 76.2960,
81.4427

Harmonies

Analogous

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



42.9950, 19.5524, 18.2372



38.0060, 19.5524, 3.6046



27.8152, 19.5524, 0.3147

Triad

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



38.0060, 19.5524, 3.6046



6.6675, 19.5524, 5.5885



19.7278, 19.5524, 125.5056

Complementary

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



38.0060, 19.5524, 3.6046



43.9231, 69.8127, 70.2322

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.



11.6611, 19.5524, 109.0055



38.0060, 19.5524, 3.6046



5.7768, 19.5524, 24.6641

Square

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



38.0060, 19.5524, 3.6046



10.2950, 19.5524, 0.7227



7.2497, 19.5524, 64.4713



30.4341, 19.5524, 99.7429

Rectangle

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



38.0060, 19.5524, 3.6046



20.6770, 19.5524, 0.0000



7.2497, 19.5524, 64.4713



16.6372, 19.5524, 124.7728

Sweetspot

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



38.0064, 19.5537, 3.6049



66.5925, 57.0331, 56.4138



41.4323, 19.4563, 87.9571



13.6052, 11.2413, 10.8400



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.



38.0064, 19.5537, 3.6049



41.6145, 21.4098, 3.9019



40.6516, 25.4033, 2.7626



16.6037, 16.5244, 17.6599



20.5059, 10.5458, 2.1062



1.8327, 0.9391, 0.3455

Inverse Universe

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



38.0064, 19.5537, 3.6049



41.6145, 21.4098, 3.9019



29.6423, 32.9133, 91.1760



16.6037, 16.5244, 17.6599



20.5059, 10.5458, 2.1062



1.8327, 0.9391, 0.3455

Previews

White Background



This preview shows how the XYZ color 38.0060, 19.5524, 3.6046 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 38.0060, 19.5524, 3.6046 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 38.0060, 19.5524, 3.6046

Background



This preview shows how black text looks on a background with the XYZ color 38.0060, 19.5524, 3.6046.



This preview shows how white text looks on a background with the XYZ color 38.0060, 19.5524,

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

38.0060, 19.5524, 3.6046

Protanopia

18.3937, 20.0815, 7.4641

Deuteranopia

20.2659, 19.8907, 2.7712



Tritanopia

37.5951, 19.8069, 1.8416

Trichromacy



Original Color

38.0060, 19.5524, 3.6046



Protanomaly

21.3431, 15.0791, 5.1538



Deuteranomaly

23.5143, 15.7481, 2.2158



Tritanomaly

37.5445, 19.5789, 2.2157

Monochromacy



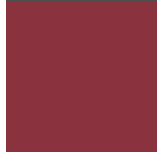
Original Color

38.0060, 19.5524, 3.6046



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.6853, 8.1291, 5.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0060, 19.5524, 3.6046 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(245, 0, 38)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 38)  
}
```

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(245, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 38) }
```

Border

The CSS property to change the border of an element to XYZ 38.0060, 19.5524, 3.6046 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(245, 0, 38) }
```


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

```
.border{ border-color:rgb(245, 0, 38) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.0060, 19.5524, 3.6046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 38) }
```

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

```
.background{ background-color: rgb(245, 0,  
38) }
```

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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