

Converting Colors

XYZ(38.4526, 19.7230, 6.3199)

Have a look what the booklet for
XYZ(38.4526, 19.7230, 6.3199)
contains.

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Color

**XYZ(38.5257, 19.7603,
6.3410)**

Conversions

Conversions Part 1

Format	Color
Hex	F5003E
RGB	245, 0, 62
RGB Percent	96%, 0%, 24%
CMY	0.0392, 0.9997, 0.7569
CMYK	0.00, 1.00, 0.75, 0.04
HSL	345°, 100%, 48%
HSV	345°, 100%, 96%
XYZ	38.5257, 19.7603, 6.3410
YIQ	80.3230, 126.1180, 71.2220

Conversions

Conversions Part 2

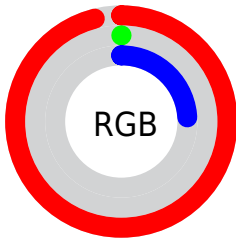
Format	Color
R_{YB}	245, 0, 62
Decimal	16056382
CIE _{Lab}	51.57, 78.80, 38.97
CIE _{LCh}	52, 87.913, 26.312
Yxy	19.7603, 0.5961, 0.3058
Android (android.graphics.Color)	4294246462 (0xFFFF5003E)
YUV	80.3230, -9.0332, 144.4217
Hunter-Lab	44.4526, 76.9086, 22.6593

Details

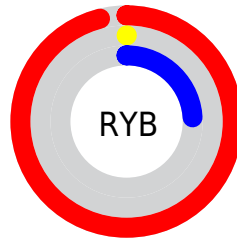
The XYZ color **38.5257, 19.7603, 6.3410** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.2069, 68.7263, 55.9283**, and the grayscale version is **7.6948, 8.0955, 8.8160**.

A 20% lighter version of the original color is **48.1467, 30.5702, 18.1149**, and **18.7167, 9.6342, 1.5349** is the 20% darker color. If you saturate the color by 10%, you get **38.5241, 19.7596, 6.3340**, and if you desaturate by 10%, it is **39.4536, 20.6728, 9.5595**.

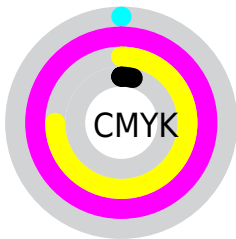
Distribution



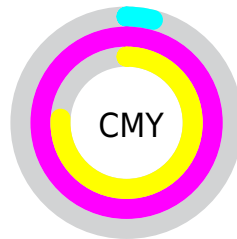
- Red (96%)
- Green (0%)
- Blue (24%)



- Red (96%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5257, 19.7603, 6.3410 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 38.5257, 19.7603, 6.3410 by changing the saturation by 10% instead.


 38.5257, 19.7603,
6.3410


 38.5257, 19.7603,
6.3410

331.1117,
250.6145, 171.4874


 26.5700, 12.2209,
2.9814


 72.2119, 43.0149,
19.1244


 17.3855, 6.8943,
1.0851


 94.6731, 59.4990,
29.3853


 10.6067, 3.3961,
0.0000


 121.3669, 79.7334,
42.7837

 5.8684, 1.3419,
0.0000

 152.6586,
104.1026, 59.7382

 2.8051, 0.1733,
0.0000

 188.9136,
132.9909, 80.6673

 1.0516, 0.0000,
0.0000

 230.4972,

 0.0000, 0.0000,

166.7827, 105.9895

0.0000

277.7748,
205.8624, 136.1233

■ 38.5257, 19.7603,
6.3410

■ 38.5257, 19.7603,
6.3410

■ 38.5241, 19.7596,
6.3340

■ 39.4536, 20.6728,
9.5595

■ 40.9905, 22.5078,
13.8908

■ 43.2816, 25.5343,
19.4507

■ 46.4183, 29.9153,
26.3304

■ 50.4781, 35.7877,
34.6116

■ 55.5296, 43.2718,
44.3691

■ 61.6346, 52.4754,
55.6720

■ 68.8495, 63.4969,
68.5850

■ 77.2272, 76.4273,
83.1689

Harmonies

Analogous

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



41.3817, 19.7603, 24.8030



38.5257, 19.7603, 6.3410



29.8835, 19.7603, 1.1081

Triad

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



38.5257, 19.7603, 6.3410



7.8862, 19.7603, 4.2287



17.7087, 19.7603, 115.9260

Complementary

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



38.5257, 19.7603, 6.3410



41.2069, 68.7263, 55.9283

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.



10.8389, 19.7603, 92.8264



38.5257, 19.7603, 6.3410



6.4078, 19.7603, 18.5323

Square

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



38.5257, 19.7603, 6.3410



12.2060, 19.7603, 0.7062



7.2886, 19.7603, 51.1363



27.3748, 19.7603, 101.3793

Rectangle

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



38.5257, 19.7603, 6.3410



23.1006, 19.7603, 0.2439



7.2886, 19.7603, 51.1363



15.0375, 19.7603, 112.0288

Sweetspot

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



38.5261, 19.7616, 6.3413



67.4351, 57.3702, 60.8512



35.2308, 16.2593, 87.6671



13.7992, 11.3189, 11.8614



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.



38.5261, 19.7616, 6.3413



42.1792, 21.6357, 6.8755



39.1301, 22.3602, 2.2554



16.6710, 16.5513, 18.0142



20.8007, 10.6637, 3.6588



1.8680, 0.9532, 0.5312

Inverse Universe

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



38.5261, 19.7616, 6.3413



42.1792, 21.6357, 6.8755



34.4329, 42.4944, 92.7730



16.6710, 16.5513, 18.0142



20.8007, 10.6637, 3.6588



1.8680, 0.9532, 0.5312

Previews

White Background



This preview shows how the XYZ color 38.5257, 19.7603, 6.3410 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 38.5257, 19.7603, 6.3410 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 38.5257, 19.7603, 6.3410

Background



This preview shows how black text looks on a background with the XYZ color 38.5257, 19.7603, 6.3410.



This preview shows how white text looks on a background with the XYZ color 38.5257, 19.7603,

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

38.5257, 19.7603, 6.3410

Protanopia

18.8563, 20.1922, 13.2596

Deuteranopia

20.5295, 20.1388, 5.6015



Tritanopia

37.7788, 20.0124, 2.4019

Trichromacy



Original Color

38.5257, 19.7603, 6.3410

Protanomaly

21.7745, 15.1998, 9.7689

Deuteranomaly

23.8977, 15.9806, 5.1932

Tritanomaly

37.7832, 19.7438, 3.2584

Monochromacy



Original Color

38.5257, 19.7603, 6.3410

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

13.2016, 8.4241, 7.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5257, 19.7603, 6.3410 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 38.5257, 19.7603, 6.3410 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, 62) }
```


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

```
.border{ border-color:rgb(245, 0, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.5257, 19.7603, 6.3410 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, 62) }
```

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

```
.background{ background-color: rgb(245, 0,  
62) }
```

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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