

Converting Colors

XYZ(38.2546, 19.9101, 4.4563)

Have a look what the booklet for
XYZ(38.2546, 19.9101, 4.4563)
contains.

XYZ(38.3202, 19.9514, 4.4161)	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(38.3202, 19.9514,
4.4161)**

Conversions

Conversions Part 1

Format	Color
Hex	F50F2E
RGB	245, 15, 46
RGB Percent	96%, 6%, 18%
CMY	0.0392, 0.9410, 0.8196
CMYK	0.00, 0.94, 0.81, 0.04
HSL	352°, 92%, 51%
HSV	352°, 94%, 96%
XYZ	38.3202, 19.9514, 4.4161
YIQ	87.3040, 127.1290, 58.4010

Conversions

Conversions Part 2

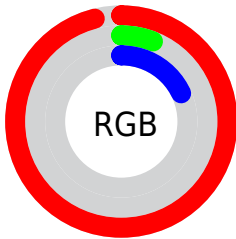
Format	Color
R_{YB}	245, 15, 46
Decimal	16060206
CIE _{Lab}	51.78, 77.21, 48.15
CIE _{LCh}	52, 90.993, 31.949
Yxy	19.9514, 0.6113, 0.3183
Android (android.graphics.Color)	4294250286 (0xFFFF50F2E)
YUV	87.3040, -20.3629, 138.2994
Hunter-Lab	44.6670, 74.9695, 25.4051

Details

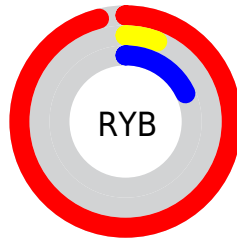
The XYZ color **38.3202, 19.9514, 4.4161** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.9938, 70.2639, 74.8416**, and the grayscale version is **9.1538, 9.6305, 10.4876**.

A 20% lighter version of the original color is **47.5835, 30.7857, 13.7902**, and **18.5959, 9.5859, 0.8989** is the 20% darker color. If you saturate the color by 10%, you get **37.9301, 19.5220, 3.2061**, and if you desaturate by 10%, it is **39.4189, 21.3074, 7.3773**.

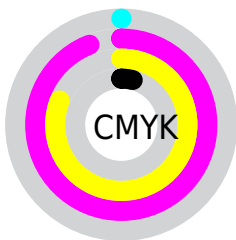
Distribution



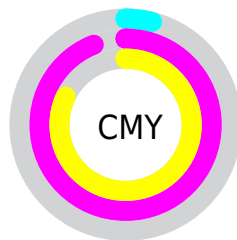
- Red (96%)
- Green (6%)
- Blue (18%)



- Red (96%)
- Yellow (6%)
- Blue (18%)



- Cyan (0%)
- Magenta (94%)
- Yellow (81%)
- Black (4%)





- Cyan (4%)
- Magenta (94%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3202, 19.9514, 4.4161 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 38.3202, 19.9514, 4.4161 by changing the saturation by 10% instead.


 38.3202, 19.9514,
4.4161


 38.3202, 19.9514,
4.4161


330.2487,
251.6519, 152.7438


 26.4096, 12.3597,
1.8563


 71.8994, 43.3357,
14.9586


 17.2646, 6.9892,
0.4647


 94.2987, 59.8971,
23.7783


 10.5198, 3.4553,
0.0000


 120.9251, 80.2172,
35.5218

 5.8098, 1.3738,
0.0000

 152.1437,
104.6804, 50.6075

 2.7694, 0.1973,
0.0000

 188.3200,
133.6710, 69.4540

 1.0330, 0.0000,
0.0000

 229.8194,

 0.0000, 0.0000,

167.5736, 92.4799

0.0000

277.0072,
206.7724, 120.1036

■ 38.3202, 19.9514,
4.4161

■ 38.3202, 19.9514,
4.4161

■ 37.9301, 19.5220,
3.2061

■ 39.4189, 21.3074,
7.3773

■ 41.2704, 23.7961,
11.7387

■ 43.9841, 27.5996,
17.6491

■ 47.6504, 32.8672,
25.2377

■ 52.3484, 39.7277,
34.6201

■ 58.1486, 48.2958,
45.9012

■ 65.1153, 58.6758,
59.1782

■ 73.3079, 70.9635,
74.5413

■ 82.7817, 85.2479,
92.0752

Harmonies

Analogous

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



42.7545, 19.9514, 20.0433



38.3202, 19.9514, 4.4161



28.5751, 19.9514, 0.6275

Triad

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



38.3202, 19.9514, 4.4161



7.2307, 19.9514, 5.5322



19.5722, 19.9514, 122.1366

Complementary

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



38.3202, 19.9514, 4.4161



44.9938, 70.2639, 74.8416

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.



11.7919, 19.9514, 104.3257



38.3202, 19.9514, 4.4161



6.1954, 19.9514, 23.4955

Square

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



38.3202, 19.9514, 4.4161



11.0478, 19.9514, 0.8439



7.5522, 19.9514, 61.1573



29.9689, 19.9514, 99.4903

Rectangle

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



38.3202, 19.9514, 4.4161



21.5545, 19.9514, 0.0000



7.5522, 19.9514, 61.1573



16.5884, 19.9514, 120.6541

Sweetspot

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



38.3206, 19.9527, 4.4164



67.9466, 59.2347, 58.4275



43.3757, 20.7117, 88.0973



13.8539, 11.6524, 11.1884



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.



38.3206, 19.9527, 4.4164



41.5334, 21.3774, 3.4751



41.8828, 27.7276, 3.5983



16.5899, 16.5188, 17.5872



20.4622, 10.5283, 1.8765



1.8262, 0.9364, 0.3112

Inverse Universe

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



38.3206, 19.9527, 4.4164



41.5334, 21.3774, 3.4751



30.0473, 33.4308, 91.2548



16.5899, 16.5188, 17.5872



20.4622, 10.5283, 1.8765



1.8262, 0.9364, 0.3112

Previews

White Background



This preview shows how the XYZ color 38.3202, 19.9514, 4.4161 looks on a white background.

Color Contrast Check

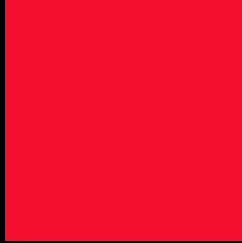
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3202, 19.9514, 4.4161 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 38.3202, 19.9514, 4.4161

Background



This preview shows how black text looks on a background with the XYZ color 38.3202, 19.9514, 4.4161.



This preview shows how white text looks on a background with the XYZ color 38.3202, 19.9514,

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

38.3202, 19.9514, 4.4161

Protanopia

18.5307, 20.1174, 9.0373

Deuteranopia

20.5695, 20.1995, 3.7921



Tritanopia

38.0492, 20.0923, 2.2206

Trichromacy



Original Color

38.3202, 19.9514, 4.4161

Protanomaly

21.9720, 15.9296, 6.6193

Deuteranomaly

24.2032, 16.8135, 3.4085

Tritanomaly

38.0892, 20.0148, 2.7199

Monochromacy



Original Color

38.3202, 19.9514, 4.4161

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

14.3400, 9.7347, 7.2541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3202, 19.9514, 4.4161 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, 15, 46)` looks like.

```
.text, #text, p{  
    color:rgb(245, 15, 46)  
}
```

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, 15, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 15, 46) }
```

Border

The CSS property to change the border of an element to XYZ 38.3202, 19.9514, 4.4161 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, 15, 46) }
```


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

```
.border{ border-color:rgb(245, 15, 46) }
```

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

Here you see how a box with a 4 pixel rgb(245, 15, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 15, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 15, 46);  
box-shadow:4px 4px 4px 4px rgb(245, 15,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3202, 19.9514, 4.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 15, 46) }
```

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

```
.background{ background-color: rgb(245, 15,  
46) }
```

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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