

Converting Colors

XYZ(38.7386, 19.9407, 3.1555)

Have a look what the booklet for
XYZ(38.7386, 19.9407, 3.1555)
contains.

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Color

**XYZ(38.6185, 19.8784,
3.1680)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F70020 |
| RGB | 247, 0, 32 |
| RGB Percent | 97%, 0%, 13% |
| CMY | 0.0314, 0.9998, 0.8745 |
| CMYK | 0.00, 1.00, 0.87, 0.03 |
| HSL | 352°, 100%, 48% |
| HSV | 352°, 100%, 97% |
| XYZ | 38.6185, 19.8784, 3.1680 |
| YIQ | 77.5010, 136.9400, 62.3160 |

Conversions

Conversions Part 2

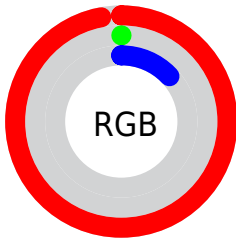
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 247, 0, 32 |
| Decimal | 16187424 |
| CIE _{Lab} | 51.70, 78.52, 55.21 |
| CIE _{LCh} | 52, 95.989, 35.111 |
| Yxy | 19.8784, 0.6263, 0.3224 |
| Android (android.graphics.Color) | 4294377504 (0xFFFF70020) |
| YUV | 77.5010, -22.4320, 148.6506 |
| Hunter-Lab | 44.5852, 76.5878, 26.9968 |

Details

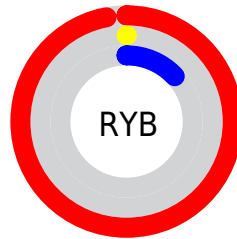
The XYZ color **38.6185, 19.8784, 3.1680** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **45.5350, 71.4310, 75.7191**, and the grayscale version is **7.1768, 7.5506, 8.2226**.

A 20% lighter version of the original color is **46.7802, 30.0236, 10.9190**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.6175, 19.8780, 3.1641**, and if you desaturate by 10%, it is **39.3544, 20.7209, 5.3548**.

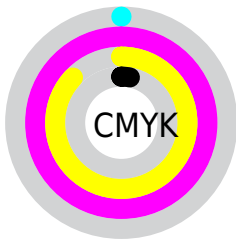
Distribution



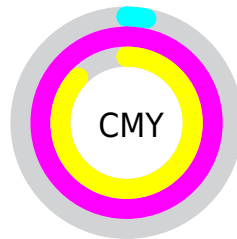
- Red (97%)
- Green (0%)
- Blue (13%)



- Red (97%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6185, 19.8784, 3.1680 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 38.6185, 19.8784, 3.1680 by changing the saturation by 10% instead.


 38.6185, 19.8784,
3.1680


 38.6185, 19.8784,
3.1680

331.5009,
251.2561, 138.4724


 26.6425, 12.3067,
1.1810


 72.3530, 43.2132,
12.0402

 17.4401, 6.9529,
0.0000


 94.8421, 59.7451,
19.7626


 10.6460, 3.4327,
0.0000


 121.5663, 80.0325,
30.2339

 5.8949, 1.3616,
0.0000

 152.8909,
104.4598, 43.8726

 2.8213, 0.1881,
0.0000

 189.1814,
133.4114, 61.0972


 1.0600, 0.0000,
0.0000


 230.8029,


 0.0000, 0.0000,


167.2718, 82.3264


0.0000


 278.1210,
206.4252, 107.9786


 38.6185, 19.8784,
3.1680

 38.6185, 19.8784,
3.1680


 38.6175, 19.8780,
3.1641

 39.3544, 20.7209,
5.3548

 40.7457, 22.5177,
8.8575

 42.9524, 25.5474,
13.8588

 46.0777, 29.9802,
20.5046

 50.2093, 35.9595,
28.9232

■ 55.4246, 43.6106,
39.2298

■ 61.7931, 53.0464,
51.5302

■ 69.3788, 64.3697,
65.9220

■ 78.2407, 77.6755,
82.4964

Harmonies

Analogous

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



44.2137, 19.8784, 17.2269



38.6185, 19.8784, 3.1680



27.8771, 19.8784, 0.1442

Triad

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



38.6185, 19.8784, 3.1680



6.5253, 19.8784, 6.0518



20.6041, 19.8784, 130.2881

Complementary

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



38.6185, 19.8784, 3.1680



45.5350, 71.4310, 75.7191

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.



12.0831, 19.8784, 115.2031



38.6185, 19.8784, 3.1680



5.7429, 19.8784, 26.7586

Square

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



38.6185, 19.8784, 3.1680



10.0708, 19.8784, 0.7421



7.3776, 19.8784, 69.1744



31.7748, 19.8784, 101.3006

Rectangle

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



38.6185, 19.8784, 3.1680



20.5277, 19.8784, 0.0000



7.3776, 19.8784, 69.1744



17.3490, 19.8784, 130.3480

Sweetspot

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



38.6189, 19.8797, 3.1683



66.3797, 56.9480, 55.2935



44.5424, 21.0241, 89.7055



13.5566, 11.2219, 10.5837



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.



38.6189, 19.8797, 3.1683



41.5142, 21.3697, 3.3741



42.0654, 27.1892, 3.0328



16.5864, 16.5174, 17.5683



20.4518, 10.5242, 1.8217



1.8245, 0.9358, 0.3023

Inverse Universe

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



38.6189, 19.8797, 3.1683



41.5142, 21.3697, 3.3741



28.7543, 30.6460, 92.3949



16.5864, 16.5174, 17.5683



20.4518, 10.5242, 1.8217



1.8245, 0.9358, 0.3023

Previews

White Background



This preview shows how the XYZ color 38.6185, 19.8784, 3.1680 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 38.6185, 19.8784, 3.1680 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 38.6185, 19.8784, 3.1680

Background



This preview shows how black text looks on a background with the XYZ color 38.6185, 19.8784, 3.1680.



This preview shows how white text looks on a background with the XYZ color 38.6185, 19.8784,

3.1680.

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

38.6185, 19.8784, 3.1680

Protanopia

18.6707, 20.4320, 6.5742

Deuteranopia

20.5790, 20.2260, 2.8194



Tritanopia

38.2929, 20.1666, 1.8743

Trichromacy



Original Color

38.6185, 19.8784, 3.1680

Protanomaly

21.7418, 15.4075, 4.5174

Deuteranomaly

23.8176, 16.0058, 2.1819

Tritanomaly

38.2294, 19.9335, 2.1805

Monochromacy



Original Color

38.6185, 19.8784, 3.1680

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.6304, 8.1071, 5.3140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6185, 19.8784, 3.1680 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(247, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 32)  
}
```

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(247, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 32) }
```

Border

The CSS property to change the border of an element to XYZ 38.6185, 19.8784, 3.1680 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(247, 0, 32) }
```


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

```
.border{ border-color:rgb(247, 0, 32) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.6185, 19.8784, 3.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 32) }
```

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

```
.background{ background-color: rgb(247, 0,  
32) }
```

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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