

Converting Colors

XYZ(38.1572, 19.8074, 5.4907)

Have a look what the booklet for
XYZ(38.1572, 19.8074, 5.4907)
contains.

XYZ(38.1660, 19.8065, 5.5528)	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(38.1660, 19.8065,
5.5528)**

Conversions

Conversions Part 1

Format	Color
Hex	F40D38
RGB	244, 13, 56
RGB Percent	96%, 5%, 22%
CMY	0.0431, 0.9488, 0.7804
CMYK	0.00, 0.95, 0.77, 0.04
HSL	349°, 91%, 50%
HSV	349°, 95%, 96%
XYZ	38.1660, 19.8065, 5.5528
YIQ	86.9710, 123.8730, 62.3450

Conversions

Conversions Part 2

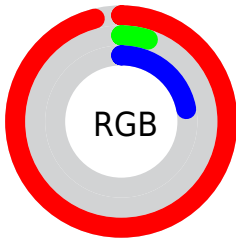
Format	Color
R_{YB}	244, 13, 56
Decimal	15994168
CIE _{Lab}	51.62, 77.42, 42.41
CIE _{LCh}	52, 88.279, 28.716
Yxy	19.8065, 0.6008, 0.3118
Android (android.graphics.Color)	4294184248 (0xFFFF40D38)
YUV	86.9710, -15.2687, 137.7144
Hunter-Lab	44.5045, 75.1945, 23.7556

Details

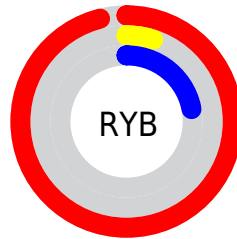
The XYZ color **38.1660, 19.8065, 5.5528** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.0663, 69.0066, 66.3415**, and the grayscale version is **9.0724, 9.5448, 10.3943**.

A 20% lighter version of the original color is **48.0559, 30.9746, 16.2778**, and **18.4394, 9.4967, 1.2766** is the 20% darker color. If you saturate the color by 10%, you get **37.7889, 19.4253, 4.2782**, and if you desaturate by 10%, it is **39.2835, 21.1045, 8.8156**.

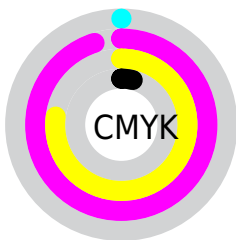
Distribution



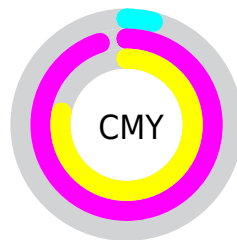
- Red (96%)
- Green (5%)
- Blue (22%)



- Red (96%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (95%)
- Yellow (77%)
- Black (4%)





- Cyan (4%)
- Magenta (95%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1660, 19.8065, 5.5528 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 38.1660, 19.8065, 5.5528 by changing the saturation by 10% instead.


 38.1660, 19.8065,
5.5528


 38.1660, 19.8065,
5.5528

329.6001,
250.8657, 164.1759


 26.2893, 12.2545,
2.5108


 71.6648, 43.0925,
17.4567


 17.1740, 6.9172,
0.8459


 94.0176, 59.5953,
27.1557

 10.4547, 3.4104,
0.0000


 120.5932, 79.8505,
39.9108

 5.7661, 1.3496,
0.0000

 151.7569,
104.2424, 56.1404

 2.7427, 0.1791,
0.0000

 187.8741,
133.1555, 76.2632

 1.0192, 0.0000,
0.0000

 229.3101,

 0.0000, 0.0000,

166.9741, 100.6977

0.0000

276.4303,
206.0827, 129.8624

■ 38.1660, 19.8065,
5.5528

■ 38.1660, 19.8065,
5.5528

■ 37.7889, 19.4253,
4.2782

■ 39.2835, 21.1045,
8.8156

■ 41.1214, 23.5019,
13.3691

■ 43.7846, 27.1807,
19.3363

■ 47.3598, 32.2886,
26.8246

■ 51.9223, 38.9533,
35.9306

■ 57.5396, 47.2879,
46.7429

■ 64.2730, 57.3954,
59.3435

■ 72.1790, 69.3701,
73.8090

■ 81.3104, 83.2998,
90.2115

Harmonies

Analogous

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



41.6288, 19.8065, 22.6829



38.1660, 19.8065, 5.5528



29.1790, 19.8065, 0.9475

Triad

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



38.1660, 19.8065, 5.5528



7.6642, 19.8065, 4.8180



18.4446, 19.8065, 116.9796

Complementary

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



38.1660, 19.8065, 5.5528



43.0663, 69.0066, 66.3415

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.



11.2664, 19.8065, 96.3713



38.1660, 19.8065, 5.5528



6.3796, 19.8065, 20.4862

Square

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



38.1660, 19.8065, 5.5528



11.7447, 19.8065, 0.8092



7.4554, 19.8065, 54.7063



28.2984, 19.8065, 99.3816

Rectangle

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



38.1660, 19.8065, 5.5528



22.3751, 19.8065, 0.1694



7.4554, 19.8065, 54.7063



15.6726, 19.8065, 114.1174

Sweetspot

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



38.1664, 19.8078, 5.5531



68.3615, 59.4006, 60.6120



39.7124, 18.8009, 87.1233



13.9500, 11.6909, 11.6950



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.



38.1664, 19.8078, 5.5531



41.7616, 21.4686, 4.6766



40.4239, 25.3479, 3.1447



16.6250, 16.5328, 17.7718



20.5839, 10.5770, 2.5170



1.8428, 0.9431, 0.3987

Inverse Universe

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



38.1664, 19.8078, 5.5531



41.7616, 21.4686, 4.6766



31.7706, 37.1671, 91.0869



16.6250, 16.5328, 17.7718



20.5839, 10.5770, 2.5170



1.8428, 0.9431, 0.3987

Previews

White Background



This preview shows how the XYZ color 38.1660, 19.8065, 5.5528 looks on a white background.

Color Contrast Check

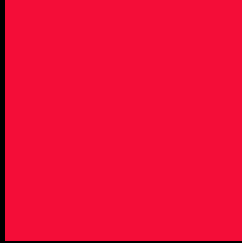
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1660, 19.8065, 5.5528 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 38.1660, 19.8065, 5.5528

Background



This preview shows how black text looks on a background with the XYZ color 38.1660, 19.8065, 5.5528.



This preview shows how white text looks on a background with the XYZ color 38.1660, 19.8065,

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

38.1660, 19.8065, 5.5528

Protanopia

18.6789, 20.1395, 11.4972

Deuteranopia

20.3962, 20.0855, 4.8997



Tritanopia

37.4327, 19.8339, 2.3857

Trichromacy



Original Color

38.1660, 19.8065, 5.5528

Protanomaly

21.8619, 15.8337, 8.3825

Deuteranomaly

23.8553, 16.4994, 4.5122

Tritanomaly

37.4776, 19.6899, 3.1216

Monochromacy



Original Color

38.1660, 19.8065, 5.5528

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

14.4220, 9.6828, 7.9463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1660, 19.8065, 5.5528 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(244, 13, 56)` looks like.

```
.text, #text, p{  
    color:rgb(244, 13, 56)  
}
```

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(244, 13, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 13, 56) }
```

Border

The CSS property to change the border of an element to XYZ 38.1660, 19.8065, 5.5528 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(244, 13, 56) }
```


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

```
.border{ border-color:rgb(244, 13, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 13, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 13, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 13, 56);  
box-shadow:4px 4px 4px 4px rgb(244, 13,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1660, 19.8065, 5.5528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 13, 56) }
```

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

```
.background{ background-color: rgb(244, 13,  
56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor