

Converting Colors

XYZ(38.1555, 19.5893, 7.8531)

Have a look what the booklet for
XYZ(38.1555, 19.5893, 7.8531)
contains.

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Color

**XYZ(38.1644, 19.5877,
7.9002)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F30348 |
| RGB | 243, 3, 72 |
| RGB Percent | 95%, 1%, 28% |
| CMY | 0.0471, 0.9880, 0.7176 |
| CMYK | 0.00, 0.99, 0.70, 0.05 |
| HSL | 343°, 98%, 48% |
| HSV | 343°, 99%, 95% |
| XYZ | 38.1644, 19.5877, 7.9002 |
| YIQ | 82.6260, 120.8910, 72.3390 |

Conversions

Conversions Part 2

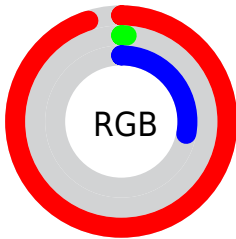
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 243, 3, 72 |
| Decimal | 15926088 |
| CIE Lab | 51.37, 78.49, 32.73 |
| CIE LCh | 51, 85.046, 22.637 |
| Yxy | 19.5877, 0.5813, 0.2984 |
| Android (android.graphics.Color) | 4294116168 (0xFF30348) |
| YUV | 82.6260, -5.2386, 140.6480 |
| Hunter-Lab | 44.2580, 76.4720, 20.3971 |

Details

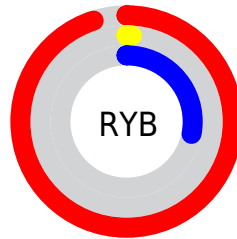
The XYZ color **38.1644, 19.5877, 7.9002** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **39.7348, 67.1789, 50.9488**, and the grayscale version is **8.1462, 8.5705, 9.3333**.

A 20% lighter version of the original color is **48.8130, 30.9818, 21.1767**, and **18.5819, 9.5537, 2.0271** is the 20% darker color. If you saturate the color by 10%, you get **38.0616, 19.4944, 7.5209**, and if you desaturate by 10%, it is **39.1788, 20.5818, 11.4292**.

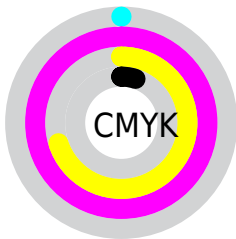
Distribution



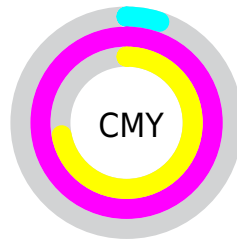
- Red (95%)
- Green (1%)
- Blue (28%)



- Red (95%)
- Yellow (1%)
- Blue (28%)



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)
- Black (5%)





- Cyan (5%)
- Magenta (99%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1644, 19.5877, 7.9002 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 38.1644, 19.5877, 7.9002 by changing the saturation by 10% instead.


 38.1644, 19.5877,
7.9002


 38.1644, 19.5877,
7.9002


329.5934,
249.6743, 184.8524


 26.2881, 12.0957,
3.9443


 71.6623, 42.7248,
22.3055


 17.1731, 6.8089,
1.5948


 94.0147, 59.1388,
33.5920

 10.4541, 3.3429,
0.2871


 120.5897, 79.2955,
48.1590

 5.7656, 1.3132,
0.0000

 151.7529,
103.5793, 66.4253

 2.7424, 0.1514,
0.0000

 187.8694,
132.3747, 88.8092

 1.0190, 0.0000,
0.0000

 229.3048,

 0.0000, 0.0000,

166.0661, 115.7293

0.0000

276.4243,
205.0378, 147.6042

■ 38.1644, 19.5877,
7.9002

■ 38.1644, 19.5877,
7.9002

■ 38.0616, 19.4944,
7.5209

■ 39.1788, 20.5818,
11.4292

■ 40.8097, 22.5345,
16.0086

■ 43.1790, 25.6724,
21.7333

■ 46.3724, 30.1507,
28.6816

■ 50.4629, 36.1004,
36.9237

■ 55.5152, 43.6371,
46.5242

■ 61.5878, 52.8646,
57.5433

■ 68.7344, 63.8779,
70.0370

■ 77.0049, 76.7650,
84.0585

Harmonies

Analogous

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



40.0094, 19.5877, 27.9122



38.1644, 19.5877, 7.9002



30.4135, 19.5877, 1.5581

Triad

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



38.1644, 19.5877, 7.9002



8.4076, 19.5877, 3.6590



16.5989, 19.5877, 109.6960

Complementary

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



38.1644, 19.5877, 7.9002



39.7348, 67.1789, 50.9488

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.



10.3503, 19.5877, 84.4368



38.1644, 19.5877, 7.9002



6.6503, 19.5877, 15.8698

Square

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



38.1644, 19.5877, 7.9002



13.0044, 19.5877, 0.7041



7.2331, 19.5877, 44.9187



25.6502, 19.5877, 100.3702

Rectangle

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



38.1644, 19.5877, 7.9002



23.9382, 19.5877, 0.5169



7.2331, 19.5877, 44.9187



14.1502, 19.5877, 104.5685

Sweetspot

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



38.1648, 19.5889, 7.9005



67.7415, 57.4927, 62.4647



33.0094, 15.1975, 85.9870



13.8702, 11.3473, 12.2352



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.



38.1648, 19.5889, 7.9005



42.4514, 21.7446, 8.3092



38.1647, 21.4333, 2.2135



16.6949, 16.5608, 18.1399



20.9399, 10.7194, 4.3922



1.8830, 0.9592, 0.6101

Inverse Universe

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



38.1648, 19.5889, 7.9005



42.4514, 21.7446, 8.3092



35.7337, 45.5264, 91.6975



16.6949, 16.5608, 18.1399



20.9399, 10.7194, 4.3922



1.8830, 0.9592, 0.6101

Previews

White Background



This preview shows how the XYZ color 38.1644, 19.5877, 7.9002 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 38.1644, 19.5877, 7.9002 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 38.1644, 19.5877, 7.9002

Background



This preview shows how black text looks on a background with the XYZ color 38.1644, 19.5877, 7.9002.



This preview shows how white text looks on a background with the XYZ color 38.1644, 19.5877,

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

38.1644, 19.5877, 7.9002

Protanopia

18.9427, 19.9733, 16.7668

Deuteranopia

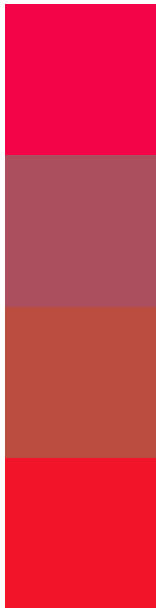
20.4309, 20.0554, 7.0692



Tritanopia

37.2222, 19.8219, 2.7283

Trichromacy



Original Color

38.1644, 19.5877, 7.9002

Protanomaly

21.6109, 15.0580, 12.3571

Deuteranomaly

23.7596, 15.9782, 6.6823

Tritanomaly

37.2683, 19.5377, 3.9047

Monochromacy



Original Color

38.1644, 19.5877, 7.9002

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

13.7150, 8.8656, 8.3855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1644, 19.5877, 7.9002 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(243, 3, 72)` looks like.

```
.text, #text, p{  
    color:rgb(243, 3, 72)  
}
```

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(243, 3, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 3, 72) }
```

Border

The CSS property to change the border of an element to XYZ 38.1644, 19.5877, 7.9002 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(243, 3, 72) }
```


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

```
.border{ border-color:rgb(243, 3, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 3, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 3, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 3, 72);  
box-shadow:4px 4px 4px 4px rgb(243, 3, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.1644, 19.5877, 7.9002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 3, 72) }
```

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

```
.background{ background-color: rgb(243, 3,  
72) }
```

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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