

Converting Colors

XYZ(38.9351, 20.0117, 8.2203)

Have a look what the booklet for
XYZ(38.9351, 20.0117, 8.2203)
contains.

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Color

**XYZ(38.9465, 20.0154,
8.2892)**

Conversions

Conversions Part 1

Format	Color
Hex	F5054A
RGB	245, 5, 74
RGB Percent	96%, 2%, 29%
CMY	0.0392, 0.9802, 0.7098
CMYK	0.00, 0.98, 0.70, 0.04
HSL	343°, 96%, 49%
HSV	343°, 98%, 96%
XYZ	38.9465, 20.0154, 8.2892
YIQ	84.6260, 120.8910, 72.3390

Conversions

Conversions Part 2

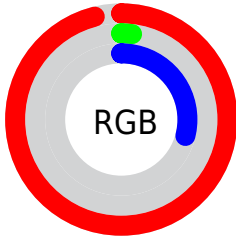
Format	Color
RYB	245, 5, 74
Decimal	16057674
CIELab	51.85, 78.90, 32.23
CIELCh	52, 85.226, 22.218
Yxy	20.0154, 0.5791, 0.2976
Android (android.graphics.Color)	4294247754 (0xFFFF5054A)
YUV	84.6260, -5.2386, 140.6480
Hunter-Lab	44.7386, 77.0980, 20.3317

Details

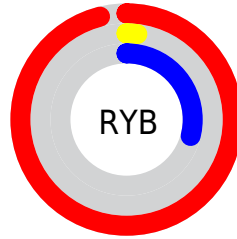
The XYZ color **38.9465, 20.0154, 8.2892** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **40.5580, 68.4741, 52.1849**, and the grayscale version is **8.5565, 9.0021, 9.8032**.

A 20% lighter version of the original color is **49.0275, 31.2145, 21.8533**, and **19.0697, 9.8022, 2.1833** is the 20% darker color. If you saturate the color by 10%, you get **38.7739, 19.8595, 7.6493**, and if you desaturate by 10%, it is **40.0175, 21.0822, 11.9622**.

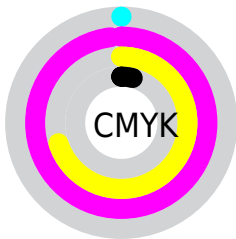
Distribution



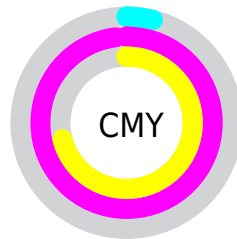
- Red (96%)
- Green (2%)
- Blue (29%)



- Red (96%)
- Yellow (2%)
- Blue (29%)



- Cyan (0%)
- Magenta (98%)
- Yellow (70%)
- Black (4%)




- Cyan (4%)
- Magenta (98%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9465, 20.0154, 8.2892 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 38.9465, 20.0154, 8.2892 by changing the saturation by 10% instead.


 38.9465, 20.0154,
8.2892


 38.9465, 20.0154,
8.2892


332.8741,
251.9985, 188.0016


 26.8986, 12.4062,
4.1901

 72.8512, 43.4430,
23.0789


 17.6333, 7.0210,
1.7302


 95.4387, 60.0302,
34.6067


 10.7851, 3.4752,
0.3813


 122.2702, 80.3789,
49.4477

 5.9888, 1.3846,
0.0000

 153.7109,
104.8735, 68.0206

 2.8788, 0.2053,
0.0000

 190.1264,
133.8984, 90.7439

 1.0900, 0.0000,
0.0000

 231.8818,

 0.0167, 0.0000,

167.8379, 118.0362

0.0000

279.3426,
207.0765, 150.3159

■ 0.0000, 0.0000,
0.0000

■ 38.9465, 20.0154,
8.2892

■ 38.9465, 20.0154,
8.2892

■ 38.7739, 19.8595,
7.6493

■ 40.0175, 21.0822,
11.9622

■ 41.7341, 23.1588,
16.7163

■ 44.2110, 26.4575,
22.6448

■ 47.5343, 31.1338,
29.8267

■ 51.7778, 37.3204,
38.3332

■ 57.0069, 45.1338,
48.2299

■ 63.2809, 54.6792,
59.5776

■ 70.6542, 66.0530,
72.4334

■ 79.1775, 79.3443,
86.8513

Harmonies

Analogous

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



40.7164, 20.0154, 28.9000



38.9465, 20.0154, 8.2892



31.1403, 20.0154, 1.6641

Triad

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



38.9465, 20.0154, 8.2892



8.6749, 20.0154, 3.6991



16.8597, 20.0154, 111.2389

Complementary

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



38.9465, 20.0154, 8.2892



40.5580, 68.4741, 52.1849

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.



10.5458, 20.0154, 85.2690



38.9465, 20.0154, 8.2892



6.8460, 20.0154, 15.9592

Square

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



38.9465, 20.0154, 8.2892



13.4031, 20.0154, 0.7345



7.4080, 20.0154, 45.2193



26.0308, 20.0154, 102.3066

Rectangle

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



38.9465, 20.0154, 8.2892



24.5685, 20.0154, 0.5768



7.4080, 20.0154, 45.2193



14.3836, 20.0154, 105.8818

Sweetspot

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



38.9470, 20.0167, 8.2895



68.4700, 58.6065, 63.7653



33.7738, 15.5887, 87.6146



14.0081, 11.5569, 12.4856



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.



38.9470, 20.0167, 8.2895



42.4515, 21.7446, 8.3094



38.9590, 21.9741, 2.3334



16.6949, 16.5608, 18.1399



20.9400, 10.7194, 4.3923



1.8830, 0.9592, 0.6101

Inverse Universe

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



38.9470, 20.0167, 8.2895



42.4515, 21.7446, 8.3094



36.5136, 46.5631, 93.4488



16.6949, 16.5608, 18.1399



20.9400, 10.7194, 4.3923



1.8830, 0.9592, 0.6101

Previews

White Background



This preview shows how the XYZ color 38.9465, 20.0154, 8.2892 looks on a white background.

Color Contrast Check

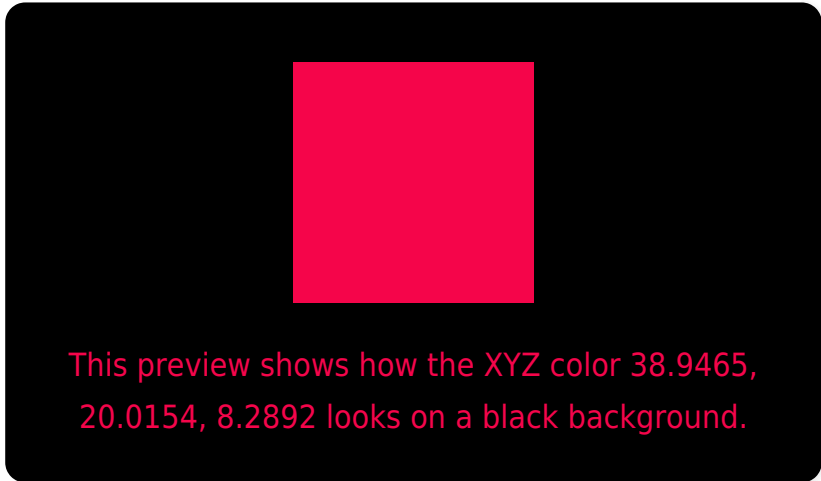
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 38.9465, 20.0154, 8.2892

Background



This preview shows how black text looks on a background with the XYZ color 38.9465, 20.0154, 8.2892.



This preview shows how white text looks on a background with the XYZ color 38.9465, 20.0154,

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

38.9465, 20.0154, 8.2892

Protanopia

19.5082, 20.6183, 17.7034

Deuteranopia

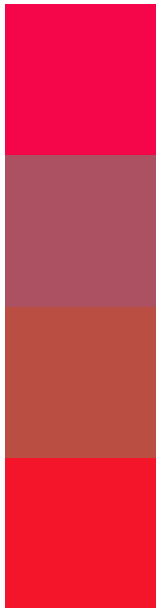
20.7928, 20.4115, 7.4013



Tritanopia

37.9480, 20.2318, 2.8248

Trichromacy



Original Color

38.9465, 20.0154, 8.2892

Protanomaly

22.1134, 15.5186, 13.1391

Deuteranomaly

24.2013, 16.4069, 7.0456

Tritanomaly

38.0124, 19.9438, 4.1316

Monochromacy



Original Color

38.9465, 20.0154, 8.2892

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

14.2271, 9.2621, 8.8225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9465, 20.0154, 8.2892 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, 5, 74)` looks like.

```
.text, #text, p{  
    color:rgb(245, 5, 74)  
}
```

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, 5, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 5, 74) }
```

Border

The CSS property to change the border of an element to XYZ 38.9465, 20.0154, 8.2892 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, 5, 74) }
```


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

```
.border{ border-color:rgb(245, 5, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 5, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 5, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 5, 74);  
box-shadow:4px 4px 4px 4px rgb(245, 5, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.9465, 20.0154, 8.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 5, 74) }
```

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

```
.background{ background-color: rgb(245, 5,  
74) }
```

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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