

Converting Colors

XYZ(38.7944, 19.8597, 8.1203)

Have a look what the booklet for
XYZ(38.7944, 19.8597, 8.1203)
contains.

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Color

**XYZ(38.8588, 19.8935,
8.0951)**

Conversions

Conversions Part 1

Format	Color
Hex	F50049
RGB	245, 0, 73
RGB Percent	96%, 0%, 29%
CMY	0.0392, 0.9998, 0.7137
CMYK	0.00, 1.00, 0.70, 0.04
HSL	342°, 100%, 48%
HSV	342°, 100%, 96%
XYZ	38.8588, 19.8935, 8.0951
YIQ	81.5770, 122.5870, 74.6430

Conversions

Conversions Part 2

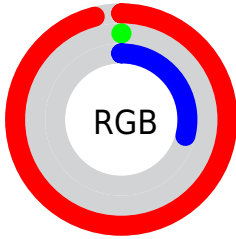
Format	Color
R_{YB}	245, 0, 73
Decimal	16056393
CIE _{Lab}	51.72, 79.21, 32.66
CIE _{LCh}	52, 85.682, 22.403
Yxy	19.8935, 0.5813, 0.2976
Android (android.graphics.Color)	4294246473 (0xFFFF50049)
YUV	81.5770, -4.2285, 143.3220
Hunter-Lab	44.6021, 77.4612, 20.4606

Details

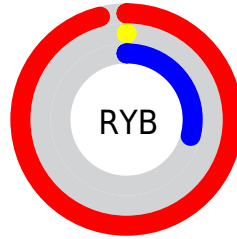
The XYZ color **38.8588, 19.8935, 8.0951** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **40.1052, 68.2857, 50.1271**, and the grayscale version is **7.9333, 8.3465, 9.0893**.

A 20% lighter version of the original color is **48.8741, 31.0062, 21.4980**, and **19.0567, 9.7970, 2.1149** is the 20% darker color. If you saturate the color by 10%, you get **38.8571, 19.8928, 8.0875**, and if you desaturate by 10%, it is **39.8485, 20.8307, 11.6391**.

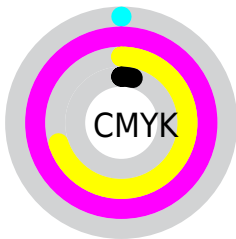
Distribution



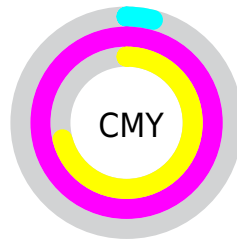
- Red (96%)
- Green (0%)
- Blue (29%)



- Red (96%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8588, 19.8935, 8.0951 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 38.8588, 19.8935, 8.0951 by changing the saturation by 10% instead.


 38.8588, 19.8935,
8.0951


 38.8588, 19.8935,
8.0951

332.5073,
251.3380, 186.4384


 26.8301, 12.3177,
4.0672


 72.7180, 43.2386,
22.6939


 17.5816, 6.9604,
1.6623


 95.2793, 59.7766,
34.1019


 10.7479, 3.4373,
0.3347


 122.0821, 80.0707,
48.8070

 5.9636, 1.3641,
0.0000

 153.4919,
104.5055, 67.2278

 2.8634, 0.1900,
0.0000

 189.8739,
133.4652, 89.7828

 1.0819, 0.0000,
0.0000

 231.5936,

 0.0099, 0.0000,

167.3342, 116.8906

0.0000

279.0163,
206.4970, 148.9696

■ 0.0000, 0.0000,
0.0000

■ 38.8588, 19.8935,
8.0951

■ 38.8588, 19.8935,
8.0951

■ 38.8571, 19.8928,
8.0875

■ 39.8485, 20.8307,
11.6391

■ 41.4323, 22.6843,
16.2178

■ 43.7526, 25.7224,
21.9316

■ 46.8982, 30.1068,
28.8588

■ 50.9446, 35.9737,
37.0693

■ 55.9581, 43.4425,
46.6275

■ 61.9989, 52.6203,
57.5931

■ 69.1219, 63.6048,
70.0218

■ 77.3780, 76.4865,
83.9665

Harmonies

Analogous

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



40.6818, 19.8935, 28.5966



38.8588, 19.8935, 8.0951



30.9953, 19.8935, 1.5881

Triad

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



38.8588, 19.8935, 8.0951



8.5455, 19.8935, 3.6485



16.7911, 19.8935, 111.6537

Complementary

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



38.8588, 19.8935, 8.0951



40.1052, 68.2857, 50.1271

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.



10.4599, 19.8935, 85.6740



38.8588, 19.8935, 8.0951



6.7397, 19.8935, 15.9480

Square

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



38.8588, 19.8935, 8.0951



13.2455, 19.8935, 0.6958



7.3136, 19.8935, 45.3931



25.9909, 19.8935, 102.4289

Rectangle

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



38.8588, 19.8935, 8.0951



24.4022, 19.8935, 0.5239



7.3136, 19.8935, 45.3931



14.3077, 19.8935, 106.3309

Sweetspot

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



38.8593, 19.8948, 8.0954



67.8357, 57.5304, 62.9606



33.3897, 15.3101, 87.5810



13.8921, 11.3561, 12.3503



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.



38.8593, 19.8948, 8.0954



42.5422, 21.7809, 8.7875



38.7567, 21.6133, 2.1309



16.7022, 16.5637, 18.1782



20.9862, 10.7379, 4.6356



1.8878, 0.9611, 0.6356

Inverse Universe

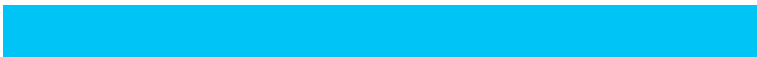
The Inverse Universe completely reimagines the original color for something new.



38.8593, 19.8948, 8.0954



42.5422, 21.7809, 8.7875



36.2247, 46.0782, 93.3704



16.7022, 16.5637, 18.1782



20.9862, 10.7379, 4.6356



1.8878, 0.9611, 0.6356

Previews

White Background



This preview shows how the XYZ color 38.8588, 19.8935, 8.0951 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 38.8588, 19.8935, 8.0951 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 38.8588, 19.8935, 8.0951

Background



This preview shows how black text looks on a background with the XYZ color 38.8588, 19.8935, 8.0951.



This preview shows how white text looks on a background with the XYZ color 38.8588, 19.8935,

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

38.8588, 19.8935, 8.0951

Protanopia

19.2745, 20.3233, 17.0943

Deuteranopia

20.7656, 20.4006, 7.2581



Tritanopia

37.9374, 20.2276, 2.7689

Trichromacy



Original Color

38.8588, 19.8935, 8.0951



Protanomaly

21.8748, 15.1888, 12.6053



Deuteranomaly

24.0321, 16.1153, 6.8450



Tritanomaly

37.9590, 19.8660, 4.0243

Monochromacy



Original Color

38.8588, 19.8935, 8.0951



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.6238, 8.6832, 8.3551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8588, 19.8935, 8.0951 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, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 73)  
}
```

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, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 73) }
```

Border

The CSS property to change the border of an element to XYZ 38.8588, 19.8935, 8.0951 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, 0, 73) }
```


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

```
.border{ border-color:rgb(245, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.8588, 19.8935, 8.0951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 73) }
```

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

```
.background{ background-color: rgb(245, 0,  
73) }
```

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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