

Converting Colors

XYZ(38.8489, 19.8815, 8.4069)

Have a look what the booklet for
XYZ(38.8489, 19.8815, 8.4069)
contains.

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Color

**XYZ(38.9262, 19.9205,
8.4500)**

Conversions

Conversions Part 1

Format	Color
Hex	F5004B
RGB	245, 0, 75
RGB Percent	96%, 0%, 29%
CMY	0.0392, 0.9997, 0.7059
CMYK	0.00, 1.00, 0.69, 0.04
HSL	342°, 100%, 48%
HSV	342°, 100%, 96%
XYZ	38.9262, 19.9205, 8.4500
YIQ	81.8050, 121.9450, 75.2650

Conversions

Conversions Part 2

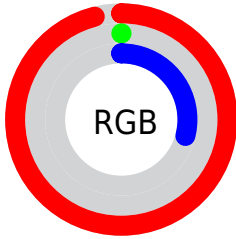
Format	Color
R_{YB}	245, 0, 75
Decimal	16056395
CIE Lab	51.75, 79.30, 31.50
CIE LCh	52, 85.323, 21.663
Yxy	19.9205, 0.5784, 0.2960
Android (android.graphics.Color)	4294246475 (0xFFFF5004B)
YUV	81.8050, -3.3549, 143.1220
Hunter-Lab	44.6324, 77.5724, 20.0176

Details

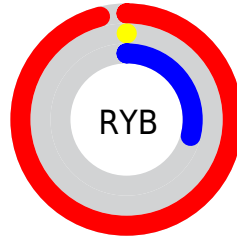
The XYZ color **38.9262, 19.9205, 8.4500** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **39.9147, 68.2095, 49.1237**, and the grayscale version is **7.9775, 8.3929, 9.1399**.

A 20% lighter version of the original color is **48.9980, 31.0558, 22.1508**, and **19.0831, 9.8076, 2.2538** is the 20% darker color. If you saturate the color by 10%, you get **38.9244, 19.9197, 8.4420**, and if you desaturate by 10%, it is **39.9263, 20.8619, 12.0487**.

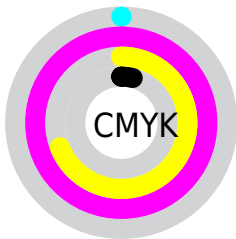
Distribution



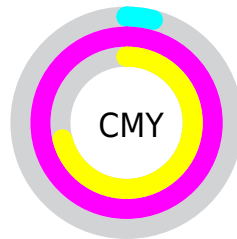
- Red (96%)
- Green (0%)
- Blue (29%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (4%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9262, 19.9205, 8.4500 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 38.9262, 19.9205, 8.4500 by changing the saturation by 10% instead.


 38.9262, 19.9205,
8.4500


 38.9262, 19.9205,
8.4500

332.7892,
251.4844, 189.2846


 26.8828, 12.3373,
4.2923


 72.8204, 43.2839,
23.3966


 17.6213, 6.9738,
1.7871


 95.4018, 59.8328,
35.0226

 10.7765, 3.4457,
0.4194


 122.2267, 80.1390,
49.9751

 5.9829, 1.3686,
0.0000

 153.6602,
104.5870, 68.6727

 2.8753, 0.1934,
0.0000

 190.0679,
133.5612, 91.5339

 1.0881, 0.0000,
0.0000

 231.8151,

 0.0152, 0.0000,

167.4459, 118.9773

0.0000

279.2671,
206.6255, 151.4214

■ 0.0000, 0.0000,
0.0000

■ 38.9262, 19.9205,
8.4500

■ 38.9262, 19.9205,
8.4500

■ 38.9244, 19.9197,
8.4420

■ 39.9263, 20.8619,
12.0487

■ 41.5178, 22.7187,
16.6675

■ 43.8425, 25.7586,
22.4043

■ 46.9889, 30.1434,
29.3353

■ 51.0320, 36.0092,
37.5286

■ 56.0381, 43.4751,
47.0468

■ 62.0667, 52.6481,
57.9479

■ 69.1726, 63.6259,
70.2864

■ 77.4065, 76.4988,
84.1136

Harmonies

Analogous

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



40.5602, 19.9205, 29.3380



38.9262, 19.9205, 8.4500



31.2072, 19.9205, 1.6891

Triad

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



38.9262, 19.9205, 8.4500



8.6714, 19.9205, 3.5479



16.6278, 19.9205, 110.8995

Complementary

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



38.9262, 19.9205, 8.4500



39.9147, 68.2095, 49.1237

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.



10.3921, 19.9205, 84.4143



38.9262, 19.9205, 8.4500



6.8024, 19.9205, 15.5021

Square

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



38.9262, 19.9205, 8.4500



13.4443, 19.9205, 0.6937



7.3187, 19.9205, 44.3926



25.7450, 19.9205, 102.6411

Rectangle

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



38.9262, 19.9205, 8.4500



24.6501, 19.9205, 0.5753



7.3187, 19.9205, 44.3926



14.1776, 19.9205, 105.3232

Sweetspot

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



38.9267, 19.9218, 8.4503



67.9094, 57.5599, 63.3488



32.5108, 14.8570, 87.5398



13.9092, 11.3629, 12.4405



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.



38.9267, 19.9218, 8.4503



42.6157, 21.8103, 9.1743



38.5935, 21.2869, 2.0765



16.7079, 16.5660, 18.2081



21.0235, 10.7528, 4.8319



1.8917, 0.9626, 0.6560

Inverse Universe

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



38.9267, 19.9218, 8.4503



42.6157, 21.8103, 9.1743



37.1583, 47.9453, 93.6816



16.7079, 16.5660, 18.2081



21.0235, 10.7528, 4.8319



1.8917, 0.9626, 0.6560

Previews

White Background



This preview shows how the XYZ color 38.9262, 19.9205, 8.4500 looks on a white background.

Color Contrast Check

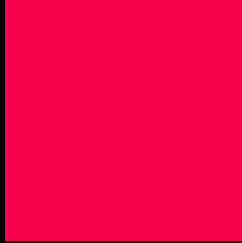
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9262, 19.9205, 8.4500 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 38.9262, 19.9205, 8.4500

Background



This preview shows how black text looks on a background with the XYZ color 38.9262, 19.9205, 8.4500.



This preview shows how white text looks on a background with the XYZ color 38.9262, 19.9205,

8.4500.

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

38.9262, 19.9205, 8.4500

Protanopia

19.4088, 20.5608, 17.9846

Deuteranopia

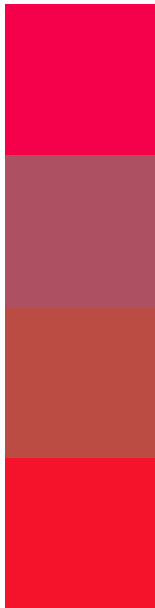
20.8205, 20.4226, 7.5472



Tritanopia

37.9480, 20.2318, 2.8248

Trichromacy



Original Color

38.9262, 19.9205, 8.4500

Protanomaly

22.0865, 15.3898, 13.3617

Deuteranomaly

24.0911, 16.1389, 7.1556

Tritanomaly

37.9771, 19.8733, 4.1198

Monochromacy



Original Color

38.9262, 19.9205, 8.4500

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 38.9262, 19.9205, 8.4500 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, 75)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 38.9262, 19.9205, 8.4500 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, 75) }
```


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

```
.border{ border-color:rgb(245, 0, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.9262, 19.9205, 8.4500 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, 75) }
```

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

```
.background{ background-color: rgb(245, 0,  
75) }
```

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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