

Converting Colors

XYZ(37.8951, 19.3980, 7.9910)

Have a look what the booklet for
XYZ(37.8951, 19.3980, 7.9910)
contains.

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Color

**XYZ(37.8205, 19.3583,
8.0465)**

Conversions

Conversions Part 1

Format	Color
Hex	F20049
RGB	242, 0, 73
RGB Percent	95%, 0%, 29%
CMY	0.0510, 0.9997, 0.7137
CMYK	0.00, 1.00, 0.70, 0.05
HSL	342°, 100%, 47%
HSV	342°, 100%, 95%
XYZ	37.8205, 19.3583, 8.0465
YIQ	80.6800, 120.7990, 74.0070

Conversions

Conversions Part 2

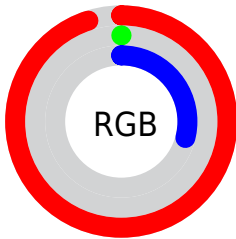
Format	Color
R_{YB}	242, 0, 73
Decimal	15859785
CIE _{Lab}	51.10, 78.52, 31.77
CIE _{LCh}	51, 84.704, 22.027
Yxy	19.3583, 0.5798, 0.2968
Android (android.graphics.Color)	4294049865 (0xFFFF20049)
YUV	80.6800, -3.7862, 141.4776
Hunter-Lab	43.9981, 76.4410, 19.9555

Details

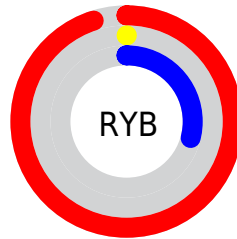
The XYZ color **37.8205, 19.3583, 8.0465** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **38.9200, 66.3711, 48.3267**, and the grayscale version is **7.7555, 8.1594, 8.8855**.

A 20% lighter version of the original color is **48.7834, 30.8249, 21.4678**, and **18.3658, 9.4408, 2.0826** is the 20% darker color. If you saturate the color by 10%, you get **37.8188, 19.3575, 8.0387**, and if you desaturate by 10%, it is **38.7911, 20.2779, 11.5211**.

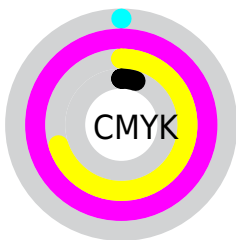
Distribution



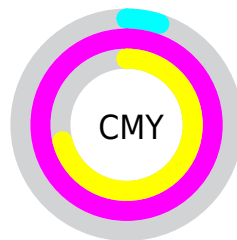
- Red (95%)
- Green (0%)
- Blue (29%)



- Red (95%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8205, 19.3583, 8.0465 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 37.8205, 19.3583, 8.0465 by changing the saturation by 10% instead.


 37.8205, 19.3583,
8.0465


 37.8205, 19.3583,
8.0465


328.1435,
248.4197, 186.0445


 26.0200, 11.9295,
4.0365


 71.1386, 42.3387,
22.5972

 16.9714, 6.6957,
1.6454


 93.3869, 58.6590,
33.9751


 10.3092, 3.2725,
0.3229


 119.8485, 78.7119,
48.6459

 5.6683, 1.2756,
0.0000

 150.8888,
102.8819, 67.0283

 2.6832, 0.1222,
0.0000

 186.8730,
131.5532, 89.5408

 0.9885, 0.0000,
0.0000

 228.1667,

 0.0000, 0.0000,

165.1104, 116.6020

0.0000

275.1351,
203.9378, 148.6304

■ 37.8205, 19.3583,
8.0465

■ 37.8205, 19.3583,
8.0465

■ 37.8188, 19.3575,
8.0387

■ 38.7911, 20.2779,
11.5211

■ 40.3375, 22.0867,
15.9944

■ 42.5981, 25.0461,
21.5631

■ 45.6591, 29.3130,
28.3019

■ 49.5932, 35.0195,
36.2781

■ 54.4650, 42.2812,
45.5532

■ 60.3324, 51.2020,
56.1844

■ 67.2487, 61.8766,
68.2253

■ 75.2633, 74.3929,
81.7265

Harmonies

Analogous

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



39.4996, 19.3583, 28.1737



37.8205, 19.3583, 8.0465



30.2454, 19.3583, 1.5939

Triad

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



37.8205, 19.3583, 8.0465



8.3721, 19.3583, 3.4979



16.2471, 19.3583, 108.2001

Complementary

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



37.8205, 19.3583, 8.0465



38.9200, 66.3711, 48.3267

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.



10.1379, 19.3583, 82.6855



37.8205, 19.3583, 8.0465



6.5849, 19.3583, 15.2863

Square

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



37.8205, 19.3583, 8.0465



12.9785, 19.3583, 0.6704



7.1145, 19.3583, 43.6438



25.1521, 19.3583, 99.7088

Rectangle

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



37.8205, 19.3583, 8.0465



23.8518, 19.3583, 0.5271



7.1145, 19.3583, 43.6438



13.8486, 19.3583, 102.8981

Sweetspot

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



37.8209, 19.3595, 8.0468



67.8690, 57.5437, 63.1359



31.6251, 14.4530, 85.1266



13.8998, 11.3591, 12.3910



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.



37.8209, 19.3595, 8.0468



42.5751, 21.7941, 8.9608



37.5344, 20.7100, 2.0210



15.9689, 15.8373, 17.3926



20.3695, 10.4202, 4.5963



1.7370, 0.8838, 0.6058

Inverse Universe

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



37.8209, 19.3595, 8.0468



42.5751, 21.7941, 8.9608



36.1406, 46.6369, 91.1007



15.9689, 15.8373, 17.3926



20.3695, 10.4202, 4.5963



1.7370, 0.8838, 0.6058

Previews

White Background



This preview shows how the XYZ color 37.8205, 19.3583, 8.0465 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 37.8205, 19.3583, 8.0465 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 37.8205, 19.3583, 8.0465

Background



This preview shows how black text looks on a background with the XYZ color 37.8205, 19.3583, 8.0465.



This preview shows how white text looks on a background with the XYZ color 37.8205, 19.3583,

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

37.8205, 19.3583, 8.0465

Protanopia

18.8430, 19.9158, 17.0383

Deuteranopia

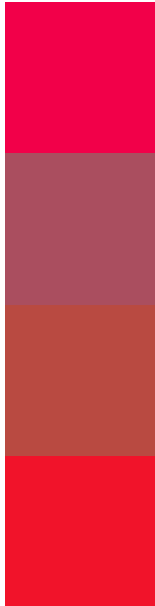
20.1525, 19.7349, 7.1619



Tritanopia

36.9048, 19.6953, 2.7206

Trichromacy



Original Color

37.8205, 19.3583, 8.0465

Protanomaly

21.3675, 14.8210, 12.5610

Deuteranomaly

23.4105, 15.5935, 6.7770

Tritanomaly

36.9264, 19.3337, 3.9760

Monochromacy



Original Color

37.8205, 19.3583, 8.0465

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.4184, 8.5815, 8.1569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8205, 19.3583, 8.0465 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(242, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 73) }
```

Border

The CSS property to change the border of an element to XYZ 37.8205, 19.3583, 8.0465 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(242, 0, 73) }
```


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

```
.border{ border-color:rgb(242, 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(242, 0, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.8205, 19.3583, 8.0465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 73) }
```

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

```
.background{ background-color: rgb(242, 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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