

Converting Colors

XYZ(37.8540, 19.3717, 8.2225)

Have a look what the booklet for
XYZ(37.8540, 19.3717, 8.2225)
contains.

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Color

**XYZ(37.8540, 19.3717,
8.2225)**

Conversions

Conversions Part 1

Format	Color
Hex	F2004A
RGB	242, 0, 74
RGB Percent	95%, 0%, 29%
CMY	0.0510, 0.9998, 0.7098
CMYK	0.00, 1.00, 0.69, 0.05
HSL	342°, 100%, 47%
HSV	342°, 100%, 95%
XYZ	37.8540, 19.3717, 8.2225
YIQ	80.7940, 120.4780, 74.3180

Conversions

Conversions Part 2

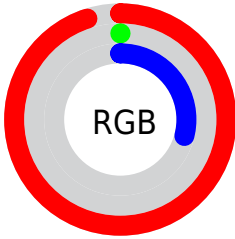
Format	Color
R_{YB}	242, 0, 74
Decimal	15859786
CIE Lab	51.12, 78.56, 31.19
CIE LCh	51, 84.526, 21.651
Yxy	19.3717, 0.5784, 0.2960
Android (android.graphics.Color)	4294049866 (0xFFFF2004A)
YUV	80.7940, -3.3494, 141.3777
Hunter-Lab	44.0133, 76.4971, 19.7328

Details

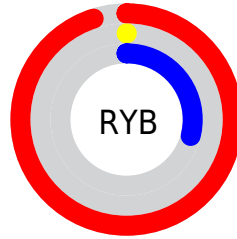
The XYZ color **37.8540, 19.3717, 8.2225** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **38.8265, 66.3338, 47.8338**, and the grayscale version is **7.7770, 8.1821, 8.9103**.

A 20% lighter version of the original color is **48.8451, 30.8496, 21.7925**, and **18.3788, 9.4460, 2.1509** is the 20% darker color. If you saturate the color by 10%, you get **37.8523, 19.3709, 8.2147**, and if you desaturate by 10%, it is **38.8297, 20.2933, 11.7238**.

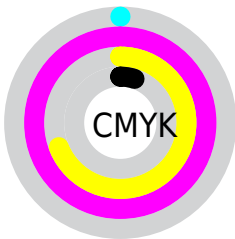
Distribution



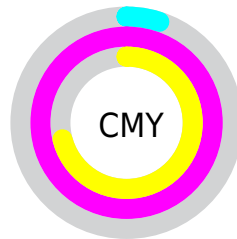
- Red (95%)
- Green (0%)
- Blue (29%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8540, 19.3717, 8.2225 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 37.8540, 19.3717, 8.2225 by changing the saturation by 10% instead.


 37.8540, 19.3717,
8.2225

 37.8540, 19.3717,
8.2225


328.2850,
248.4931, 187.4662


 26.0461, 11.9392,
4.1478


 71.1896, 42.3612,
22.9468


 16.9910, 6.7023,
1.7068


 93.4481, 58.6871,
34.4336


 10.3233, 3.2766,
0.3654


 119.9208, 78.7461,
49.2281

 5.6778, 1.2778,
0.0000

 150.9730,
102.9227, 67.7489

 2.6889, 0.1239,
0.0000

 186.9702,
131.6013, 90.4146

 0.9915, 0.0000,
0.0000

 228.2777,

 0.0000, 0.0000,

165.1663, 117.6437

0.0000

275.2608,
204.0021, 149.8547

■ 37.8540, 19.3717,
8.2225

■ 37.8540, 19.3717,
8.2225

■ 37.8523, 19.3709,
8.2147

■ 38.8297, 20.2933,
11.7238

■ 40.3797, 22.1035,
16.2166

■ 42.6425, 25.0638,
21.7963

■ 45.7037, 29.3308,
28.5368

■ 49.6362, 35.0366,
36.5042

■ 54.5042, 42.2967,
45.7593

■ 60.3655, 51.2151,
56.3586

■ 67.2733, 61.8864,
68.3549

■ 75.2768, 74.3982,
81.7981

Harmonies

Analogous

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



39.4401, 19.3717, 28.5405



37.8540, 19.3717, 8.2225



30.3501, 19.3717, 1.6441

Triad

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



37.8540, 19.3717, 8.2225



8.4342, 19.3717, 3.4486



16.1669, 19.3717, 107.8305

Complementary

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



37.8540, 19.3717, 8.2225



38.8265, 66.3338, 47.8338

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.



10.1046, 19.3717, 82.0679



37.8540, 19.3717, 8.2225



6.6158, 19.3717, 15.0680

Square

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



37.8540, 19.3717, 8.2225



13.0767, 19.3717, 0.6693



7.1170, 19.3717, 43.1536



25.0315, 19.3717, 99.8143

Rectangle

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



37.8540, 19.3717, 8.2225



23.9742, 19.3717, 0.5529



7.1170, 19.3717, 43.1536



13.7848, 19.3717, 102.4041

Sweetspot

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



37.8544, 19.3729, 8.2228



67.9064, 57.5587, 63.3327



31.6251, 14.4530, 85.1267



13.9085, 11.3626, 12.4367



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.



37.8544, 19.3729, 8.2228



42.6126, 21.8090, 9.1580



37.5344, 20.7100, 2.0210



15.9717, 15.8384, 17.4070



20.3879, 10.4276, 4.6935



1.7388, 0.8846, 0.6153

Inverse Universe

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



37.8544, 19.3729, 8.2228



42.6126, 21.8090, 9.1580



36.1406, 46.6370, 91.1009



15.9717, 15.8384, 17.4070



20.3879, 10.4276, 4.6935



1.7388, 0.8846, 0.6153

Previews

White Background



This preview shows how the XYZ color 37.8540, 19.3717, 8.2225 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 37.8540, 19.3717, 8.2225 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 37.8540, 19.3717, 8.2225

Background



This preview shows how black text looks on a background with the XYZ color 37.8540, 19.3717, 8.2225.

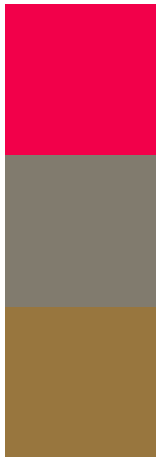


This preview shows how white text looks on a background with the XYZ color 37.8540, 19.3717,

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

37.8540, 19.3717, 8.2225

Protanopia

18.9507, 19.9588, 17.6055

Deuteranopia

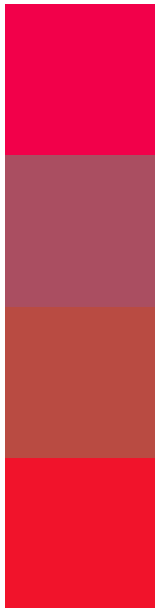
20.2968, 19.9801, 7.3442



Tritanopia

36.9154, 19.6995, 2.7764

Trichromacy



Original Color

37.8540, 19.3717, 8.2225

Protanomaly

21.4596, 14.8579, 13.0461

Deuteranomaly

23.5070, 15.7398, 6.9534

Tritanomaly

36.9445, 19.3409, 4.0715

Monochromacy



Original Color

37.8540, 19.3717, 8.2225

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 37.8540, 19.3717, 8.2225 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 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(242, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 74) }
```

Border

The CSS property to change the border of an element to XYZ 37.8540, 19.3717, 8.2225 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, 74) }
```


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

```
.border{ border-color:rgb(242, 0, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.8540, 19.3717, 8.2225 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, 74) }
```

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

```
.background{ background-color: rgb(242, 0,  
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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