

Converting Colors

XYZ(39.2683, 20.0493, 10.6157)

Have a look what the booklet for
XYZ(39.2683, 20.0493, 10.6157)
contains.

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Color

**XYZ(39.3359, 20.0844,
10.6075)**

Conversions

Conversions Part 1

Format	Color
Hex	F50056
RGB	245, 0, 86
RGB Percent	96%, 0%, 34%
CMY	0.0392, 0.9997, 0.6627
CMYK	0.00, 1.00, 0.65, 0.04
HSL	339°, 100%, 48%
HSV	339°, 100%, 96%
XYZ	39.3359, 20.0844, 10.6075
YIQ	83.0590, 118.4140, 78.6860

Conversions

Conversions Part 2

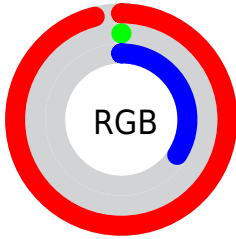
Format	Color
R_{YB}	245, 0, 86
Decimal	16056406
CIE Lab	51.93, 79.80, 25.10
CIE LCh	52, 83.651, 17.460
Yxy	20.0844, 0.5617, 0.2868
Android (android.graphics.Color)	4294246486 (0xFFFF50056)
YUV	83.0590, 1.4499, 142.0223
Hunter-Lab	44.8156, 78.2470, 17.3375

Details

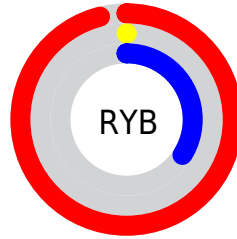
The XYZ color **39.3359, 20.0844, 10.6075** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **38.9166, 67.8103, 43.8677**, and the grayscale version is **8.2215, 8.6497, 9.4195**.

A 20% lighter version of the original color is **49.7960, 31.3750, 26.3531**, and **19.2403, 9.8705, 3.0816** is the 20% darker color. If you saturate the color by 10%, you get **39.3340, 20.0836, 10.5986**, and if you desaturate by 10%, it is **40.3879, 21.0466, 14.4792**.

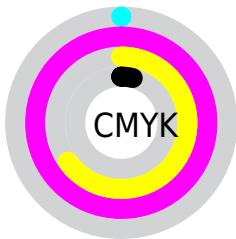
Distribution



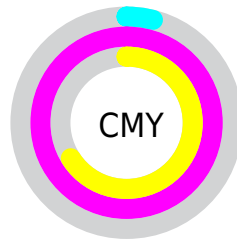
- Red (96%)
- Green (0%)
- Blue (34%)



- Red (96%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3359, 20.0844, 10.6075 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 39.3359, 20.0844, 10.6075 by changing the saturation by 10% instead.


 39.3359, 20.0844,
10.6075

 39.3359, 20.0844,
10.6075


334.4991,
252.3717, 205.5944


 27.2030, 12.4564,
5.6927


 73.4420, 43.5586,
27.5575


 17.8631, 7.0553,
2.5934

 96.1459, 60.1737,
40.4299


 10.9509, 3.4967,
0.8890


 123.1042, 80.5532,
56.7918

 6.1009, 1.3962,
0.0000

 154.6823,
105.0816, 77.0619

 2.9477, 0.2139,
0.0000

 191.2454,
134.1432, 101.6586

 1.1262, 0.0000,
0.0000

 233.1590,

 0.0469, 0.0000,

168.1225, 131.0006

0.0000

280.7885,
207.4039, 165.5064

■ 0.0000, 0.0000,
0.0000

■ 39.3359, 20.0844,
10.6075

■ 39.3359, 20.0844,
10.6075

■ 39.3340, 20.0836,
10.5986

■ 40.3879, 21.0466,
14.4792

■ 42.0156, 22.9179,
19.2890

■ 44.3588, 25.9652,
25.1231

■ 47.5039, 30.3495,
32.0469

■ 51.5241, 36.2061,
40.1192

■ 56.4839, 43.6536,
49.3940

■ 62.4415, 52.7983,
59.9213

■ 69.4503, 63.7373,
71.7482

■ 77.5596, 76.5604,
84.9192

Harmonies

Analogous

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



39.9274, 20.0844, 33.7011



39.3359, 20.0844, 10.6075



32.4252, 20.0844, 2.3256

Triad

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



39.3359, 20.0844, 10.6075



9.3944, 20.0844, 3.0241



15.7531, 20.0844, 106.9027

Complementary

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



39.3359, 20.0844, 10.6075



38.9166, 67.8103, 43.8677

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.



10.0271, 20.0844, 77.7453



39.3359, 20.0844, 10.6075



7.1589, 20.0844, 13.1911

Square

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



39.3359, 20.0844, 10.6075



14.5896, 20.0844, 0.6811



7.3496, 20.0844, 39.1545



24.4311, 20.0844, 103.9323

Rectangle

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



39.3359, 20.0844, 10.6075



26.0730, 20.0844, 0.8584



7.3496, 20.0844, 39.1545



13.4798, 20.0844, 99.9683

Sweetspot

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



39.3364, 20.0857, 10.6078



68.3206, 57.7243, 65.5140



30.0361, 13.5813, 87.4240



14.0049, 11.4012, 12.9446



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.



39.3364, 20.0857, 10.6078



43.0628, 21.9891, 11.5289



38.1925, 20.4849, 1.9429



16.7392, 16.5785, 18.3733



21.2493, 10.8432, 6.0213



1.9144, 0.9717, 0.7758

Inverse Universe

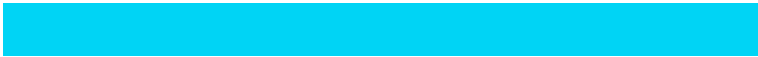
The Inverse Universe completely reimagines the original color for something new.



39.3364, 20.0857, 10.6078



43.0628, 21.9891, 11.5289



40.1111, 53.8508, 94.6658



16.7392, 16.5785, 18.3733



21.2493, 10.8432, 6.0213



1.9144, 0.9717, 0.7758

Previews

White Background



This preview shows how the XYZ color 39.3359, 20.0844, 10.6075 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 39.3359, 20.0844, 10.6075 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 39.3359, 20.0844, 10.6075

Background



This preview shows how black text looks on a background with the XYZ color 39.3359, 20.0844, 10.6075.

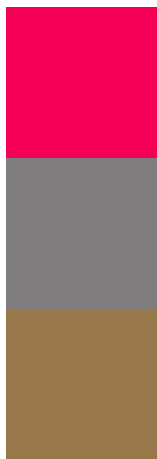


This preview shows how white text looks on a background with the XYZ color 39.3359, 20.0844,

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

39.3359, 20.0844, 10.6075

Protanopia

19.8519, 20.6856, 22.6851

Deuteranopia

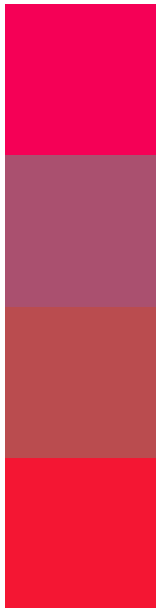
20.9354, 20.6163, 9.5325



Tritanopia

37.8105, 20.3557, 3.2325

Trichromacy



Original Color

39.3359, 20.0844, 10.6075

Protanomaly

22.3155, 15.4311, 16.8413

Deuteranomaly

24.2454, 16.1725, 9.2409

Tritanomaly

38.1927, 20.0459, 4.9882

Monochromacy



Original Color

39.3359, 20.0844, 10.6075

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

14.0287, 8.9371, 9.3731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3359, 20.0844, 10.6075 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 86) }
```

Border

The CSS property to change the border of an element to XYZ 39.3359, 20.0844, 10.6075 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, 86) }
```


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

```
.border{ border-color:rgb(245, 0, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.3359, 20.0844, 10.6075 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, 86) }
```

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

```
.background{ background-color: rgb(245, 0,  
86) }
```

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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