

Converting Colors

XYZ(40.0232, 20.4546, 9.9205)

Have a look what the booklet for
XYZ(40.0232, 20.4546, 9.9205)
contains.

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Color

**XYZ(39.8808, 20.3834,
9.8151)**

Conversions

Conversions Part 1

Format	Color
Hex	F70052
RGB	247, 0, 82
RGB Percent	97%, 0%, 32%
CMY	0.0314, 0.9997, 0.6784
CMYK	0.00, 1.00, 0.67, 0.03
HSL	340°, 100%, 48%
HSV	340°, 100%, 97%
XYZ	39.8808, 20.3834, 9.8151
YIQ	83.2010, 120.8900, 77.8660

Conversions

Conversions Part 2

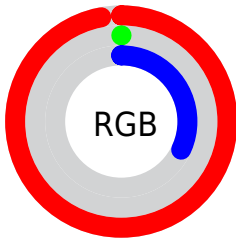
Format	Color
R_{YB}	247, 0, 82
Decimal	16187474
CIE Lab	52.27, 80.06, 28.03
CIE LCh	52, 84.827, 19.294
Yxy	20.3834, 0.5691, 0.2909
Android (android.graphics.Color)	4294377554 (0xFFFF70052)
YUV	83.2010, -0.5921, 143.6517
Hunter-Lab	45.1480, 78.6664, 18.7140

Details

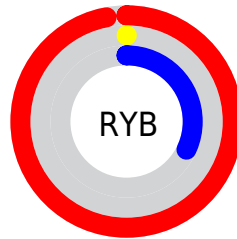
The XYZ color **39.8808, 20.3834, 9.8151** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **40.0588, 69.2405, 46.8817**, and the grayscale version is **8.2542, 8.6841, 9.4569**.

A 20% lighter version of the original color is **49.5196, 31.2644, 24.8974**, and **19.6413, 10.0850, 2.7451** is the 20% darker color. If you saturate the color by 10%, you get **39.8789, 20.3826, 9.8063**, and if you desaturate by 10%, it is **40.9287, 21.3507, 13.6445**.

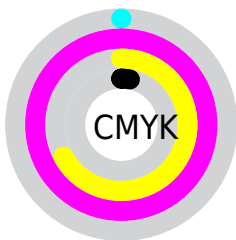
Distribution



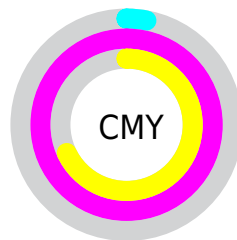
- Red (97%)
- Green (0%)
- Blue (32%)



- Red (97%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8808, 20.3834, 9.8151 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 39.8808, 20.3834, 9.8151 by changing the saturation by 10% instead.


 39.8808, 20.3834,
9.8151


 39.8808, 20.3834,
9.8151


336.7639,
253.9832, 199.7839


 27.6294, 12.6740,
5.1725

 74.2675, 44.0591,
26.0495

 18.1855, 7.2045,
2.2883


 97.1334, 60.7941,
38.4784


 11.1838, 3.5903,
0.7247


 124.2683, 81.3066,
54.3398

 6.2588, 1.4471,
0.0000

 156.0375,
105.9808, 74.0524

 3.0452, 0.2511,
0.0000

 192.8063,
135.2012, 98.0345

 1.1777, 0.0000,
0.0000

 234.9401,

 0.0887, 0.0000,

169.3521, 126.7047

0.0000

282.8042,
208.8180, 160.4817

■ 0.0000, 0.0000,
0.0000

■ 39.8808, 20.3834,
9.8151

■ 39.8808, 20.3834,
9.8151

■ 39.8789, 20.3826,
9.8063

■ 40.9287, 21.3507,
13.6445

■ 42.5705, 23.2478,
18.4659

■ 44.9490, 26.3464,
24.3719

■ 48.1534, 30.8110,
31.4334

■ 52.2590, 36.7799,
39.7145

■ 57.3323, 44.3745,
49.2736

■ 63.4335, 53.7035,
60.1651

■ 70.6173, 64.8662,
72.4402

■ 78.9348, 77.9544,
86.1469

Harmonies

Analogous

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



40.9408, 20.3834, 32.3554



39.8808, 20.3834, 9.8151



32.4843, 20.3834, 2.0724

Triad

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



39.8808, 20.3834, 9.8151



9.2460, 20.3834, 3.3038



16.4248, 20.3834, 110.6138

Complementary

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



39.8808, 20.3834, 9.8151



40.0588, 69.2405, 46.8817

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.



10.3722, 20.3834, 82.0615



39.8808, 20.3834, 9.8151



7.1335, 20.3834, 14.4198

Square

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



39.8808, 20.3834, 9.8151



14.3484, 20.3834, 0.7029



7.4723, 20.3834, 42.1236



25.4538, 20.3834, 105.2762

Rectangle

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



39.8808, 20.3834, 9.8151



25.9224, 20.3834, 0.7529



7.4723, 20.3834, 42.1236



14.0329, 20.3834, 104.1377

Sweetspot

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



39.8813, 20.3847, 9.8154



68.1452, 57.6542, 64.5901



32.2414, 14.6827, 89.1299



13.9640, 11.3848, 12.7293



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.



39.8813, 20.3847, 9.8154



42.8643, 21.9097, 10.4833



39.1585, 21.3754, 2.0639



16.7259, 16.5732, 18.3031



21.1493, 10.8031, 5.4944



1.9045, 0.9678, 0.7233

Inverse Universe

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



39.8813, 20.3847, 9.8154



42.8643, 21.9097, 10.4833



38.8229, 50.7832, 95.7511



16.7259, 16.5732, 18.3031



21.1493, 10.8031, 5.4944



1.9045, 0.9678, 0.7233

Previews

White Background



This preview shows how the XYZ color 39.8808, 20.3834, 9.8151 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



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 39.8808, 20.3834, 9.8151

Background



This preview shows how black text looks on a background with the XYZ color 39.8808, 20.3834, 9.8151.

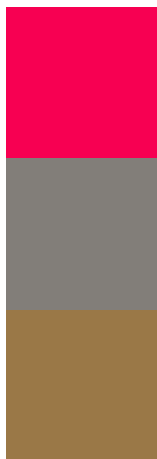


This preview shows how white text looks on a background with the XYZ color 39.8808, 20.3834,

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

39.8808, 20.3834, 9.8151

Protanopia

20.1180, 21.0480, 21.0915

Deuteranopia

21.1802, 20.7579, 8.8516



Tritanopia

38.7717, 20.7693, 3.1278

Trichromacy



Original Color

39.8808, 20.3834, 9.8151



Protanomaly

22.7561, 15.6831, 15.7377



Deuteranomaly

24.5935, 16.3682, 8.5198



Tritanomaly

38.8077, 20.3426, 4.6774

Monochromacy



Original Color

39.8808, 20.3834, 9.8151



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

14.1621, 9.0104, 9.1764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8808, 20.3834, 9.8151 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(247, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 82)  
}
```

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(247, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 39.8808, 20.3834, 9.8151 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(247, 0, 82) }
```


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

```
.border{ border-color:rgb(247, 0, 82) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.8808, 20.3834, 9.8151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 82) }
```

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

```
.background{ background-color: rgb(247, 0,  
82) }
```

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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