

Converting Colors

XYZ(39.4638, 20.2308, 6.9745)

Have a look what the booklet for
XYZ(39.4638, 20.2308, 6.9745)
contains.

XYZ(39.3411, 20.1675, 6.9735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.3411, 20.1675,
6.9735)**

Conversions

Conversions Part 1

Format	Color
Hex	F70042
RGB	247, 0, 66
RGB Percent	97%, 0%, 26%
CMY	0.0314, 0.9997, 0.7412
CMYK	0.00, 1.00, 0.73, 0.03
HSL	344°, 100%, 48%
HSV	344°, 100%, 97%
XYZ	39.3411, 20.1675, 6.9735
YIQ	81.3770, 126.0260, 72.8900

Conversions

Conversions Part 2

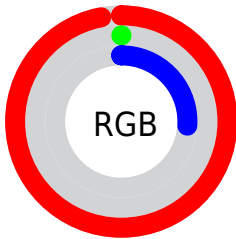
Format	Color
R_{YB}	247, 0, 66
Decimal	16187458
CIE _{Lab}	52.03, 79.41, 37.27
CIE _{LCh}	52, 87.720, 25.141
Yxy	20.1675, 0.5918, 0.3034
Android (android.graphics.Color)	4294377538 (0xFFFF70042)
YUV	81.3770, -7.5809, 145.2514
Hunter-Lab	44.9082, 77.7825, 22.2290

Details

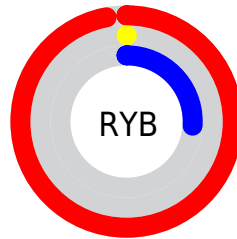
The XYZ color **39.3411, 20.1675, 6.9735** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.6084, 69.8602, 55.0422**, and the grayscale version is **7.9000, 8.3114, 9.0511**.

A 20% lighter version of the original color is **48.4601, 30.8406, 19.3183**, and **19.2209, 9.8897, 1.7600** is the 20% darker color. If you saturate the color by 10%, you get **39.3394, 20.1668, 6.9660**, and if you desaturate by 10%, it is **40.3045, 21.1010, 10.3578**.

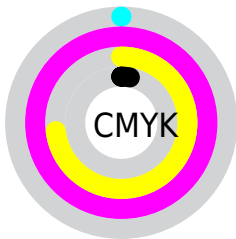
Distribution



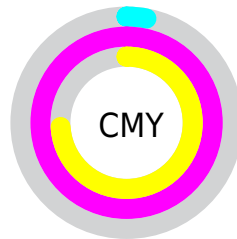
- Red (97%)
- Green (0%)
- Blue (26%)



- Red (97%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3411, 20.1675, 6.9735 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 39.3411, 20.1675, 6.9735 by changing the saturation by 10% instead.


 39.3411, 20.1675,
6.9735


 39.3411, 20.1675,
6.9735


334.5208,
252.8205, 177.0659


 27.2071, 12.5169,
3.3673


 73.4499, 43.6978,
20.4318


 17.8662, 7.0967,
1.2851


 96.1553, 60.3463,
31.1211


 10.9531, 3.5227,
0.0496


 123.1153, 80.7629,
45.0085

 6.1024, 1.4103,
0.0000

 154.6952,
105.3319, 62.5125

 2.9487, 0.2243,
0.0000

 191.2603,
134.4377, 84.0517

 1.1267, 0.0000,
0.0000

 233.1761,

 0.0473, 0.0000,

168.4649, 110.0447

0.0000

280.8078,
207.7976, 140.9099

■ 0.0000, 0.0000,
0.0000

■ 39.3411, 20.1675,
6.9735

■ 39.3411, 20.1675,
6.9735

■ 39.3394, 20.1668,
6.9660

■ 40.3045, 21.1010,
10.3578

■ 41.8840, 22.9733,
14.8518

■ 44.2266, 26.0574,
20.5682

■ 47.4244, 30.5194,
27.5955

■ 51.5560, 36.4987,
36.0133

■ 56.6905, 44.1178,
45.8942

■ 62.8903, 53.4862,
57.3055

■ 70.2127, 64.7044,
70.3102

■ 78.7107, 77.8647,
84.9678

Harmonies

Analogous

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



41.9280, 20.1675, 26.4025



39.3411, 20.1675, 6.9735



30.7788, 20.1675, 1.2658

Triad

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



39.3411, 20.1675, 6.9735



8.2338, 20.1675, 4.1209



17.7479, 20.1675, 116.7254

Complementary

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



39.3411, 20.1675, 6.9735



41.6084, 69.8602, 55.0422

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.



10.9211, 20.1675, 92.2752



39.3411, 20.1675, 6.9735



6.6288, 20.1675, 18.0443

Square

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



39.3411, 20.1675, 6.9735



12.7493, 20.1675, 0.7194



7.4317, 20.1675, 50.2466



27.4458, 20.1675, 103.5756

Rectangle

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



39.3411, 20.1675, 6.9735



23.9275, 20.1675, 0.3435



7.4317, 20.1675, 50.2466



15.0866, 20.1675, 112.3034

Sweetspot

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



39.3416, 20.1688, 6.9738



67.5603, 57.4202, 61.5105



34.9284, 16.0680, 89.2554



13.8282, 11.3305, 12.0140



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.



39.3416, 20.1688, 6.9738



42.2861, 21.6784, 7.4386



39.6570, 22.3725, 2.2301



16.6808, 16.5552, 18.0658



20.8555, 10.6856, 3.9476



1.8740, 0.9556, 0.5627

Inverse Universe

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



39.3416, 20.1688, 6.9738



42.2861, 21.6784, 7.4386



35.9692, 45.0758, 94.7997



16.6808, 16.5552, 18.0658



20.8555, 10.6856, 3.9476



1.8740, 0.9556, 0.5627

Previews

White Background



This preview shows how the XYZ color 39.3411, 20.1675, 6.9735 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 39.3411, 20.1675, 6.9735 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 39.3411, 20.1675, 6.9735

Background



This preview shows how black text looks on a background with the XYZ color 39.3411, 20.1675, 6.9735.



This preview shows how white text looks on a background with the XYZ color 39.3411, 20.1675,

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

39.3411, 20.1675, 6.9735

Protanopia

19.4173, 20.6364, 14.7642

Deuteranopia

20.9497, 20.5186, 6.2245



Tritanopia

38.5155, 20.4237, 2.5283

Trichromacy



Original Color

39.3411, 20.1675, 6.9735



Protanomaly

22.2682, 15.5394, 10.8426



Deuteranomaly

24.3344, 16.2932, 5.8653



Tritanomaly

38.5249, 20.1211, 3.5223

Monochromacy



Original Color

39.3411, 20.1675, 6.9735



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.5170, 8.6405, 7.7928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3411, 20.1675, 6.9735 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 39.3411, 20.1675, 6.9735 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, 66) }
```


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

```
.border{ border-color:rgb(247, 0, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.3411, 20.1675, 6.9735 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, 66) }
```

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

```
.background{ background-color: rgb(247, 0,  
66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor