

Converting Colors

XYZ(39.6671, 20.4169, 3.3102)

Have a look what the booklet for
XYZ(39.6671, 20.4169, 3.3102)
contains.

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Color

**XYZ(39.6989, 20.4338,
3.2906)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0021
RGB	250, 0, 33
RGB Percent	98%, 0%, 13%
CMY	0.0196, 0.9997, 0.8706
CMYK	0.00, 1.00, 0.87, 0.02
HSL	352°, 100%, 49%
HSV	352°, 100%, 98%
XYZ	39.6989, 20.4338, 3.2906
YIQ	78.5120, 138.4070, 63.2630

Conversions

Conversions Part 2

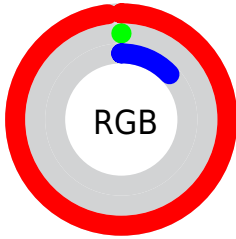
Format	Color
R_{YB}	250, 0, 33
Decimal	16384033
CIE _{Lab}	52.32, 79.25, 55.50
CIE _{LCh}	52, 96.754, 35.005
Yxy	20.4338, 0.6259, 0.3222
Android (android.graphics.Color)	4294574113 (0xFFFA0021)
YUV	78.5120, -22.4374, 150.3950
Hunter-Lab	45.2038, 77.6559, 27.3266

Details

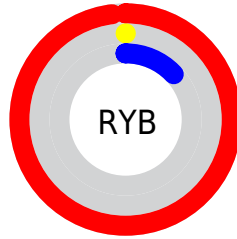
The XYZ color **39.6989, 20.4338, 3.2906** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **46.7191, 73.3844, 77.3923**, and the grayscale version is **7.3684, 7.7522, 8.4421**.

A 20% lighter version of the original color is **46.9081, 30.2198, 11.1453**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.6978, 20.4333, 3.2864**, and if you desaturate by 10%, it is **40.4557, 21.2950, 5.5557**.

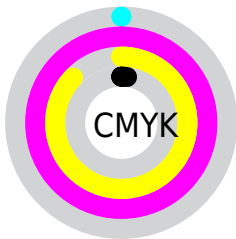
Distribution



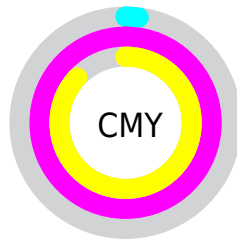
- Red (98%)
- Green (0%)
- Blue (13%)



- Red (98%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6989, 20.4338, 3.2906 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 39.6989, 20.4338, 3.2906 by changing the saturation by 10% instead.


 39.6989, 20.4338,
3.2906


 39.6989, 20.4338,
3.2906


336.0091,
254.2539, 139.9799


 27.4870, 12.7108,
1.2449


 73.9921, 44.1433,
12.3375

 18.0778, 7.2297,
0.0160


 96.8040, 60.8985,
20.1757


 11.1059, 3.6062,
0.0000


 123.8801, 81.4333,
30.7818

 6.2059, 1.4558,
0.0000

 155.5856,
106.1320, 44.5744

 3.0125, 0.2573,
0.0000

 192.2859,
135.3790, 61.9719


 1.1604, 0.0000,
0.0000

 234.3463,


 0.0748, 0.0000,


169.5588, 83.3930


0.0000


 282.1323,
209.0556, 109.2561


 0.0000, 0.0000,
0.0000


 39.6989, 20.4338,
3.2906


 39.6989, 20.4338,
3.2906


 39.6978, 20.4333,
3.2864

 40.4557, 21.2950,
5.5557

 41.8864, 23.1383,
9.1713

 44.1548, 26.2491,
14.3237

 47.3671, 30.8027,
21.1621

 51.6133, 36.9467,
29.8172

■ 56.9729, 44.8104,
40.4070

■ 63.5175, 54.5098,
53.0395

■ 71.3128, 66.1506,
67.8144

■ 80.4195, 79.8309,
84.8251

Harmonies

Analogous

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



45.4128, 20.4338, 17.8004



39.6989, 20.4338, 3.2906



28.6847, 20.4338, 0.1763

Triad

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



39.6989, 20.4338, 3.2906



6.7256, 20.4338, 6.1938



21.1402, 20.4338, 133.7332

Complementary

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



39.6989, 20.4338, 3.2906



46.7191, 73.3844, 77.3923

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.



12.4043, 20.4338, 118.1030



39.6989, 20.4338, 3.2906



5.9127, 20.4338, 27.3829

Square

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



39.6989, 20.4338, 3.2906



10.3803, 20.4338, 0.7665



7.5833, 20.4338, 70.8421



32.6022, 20.4338, 104.1379

Rectangle

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



39.6989, 20.4338, 3.2906



21.1364, 20.4338, 0.0000



7.5833, 20.4338, 70.8421



17.8023, 20.4338, 133.7361

Sweetspot

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



39.6993, 20.4351, 3.2909



66.3999, 56.9561, 55.3997



45.7747, 21.6055, 92.1996



13.5612, 11.2237, 10.6080



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.



39.6993, 20.4351, 3.2909



41.5230, 21.3732, 3.4204



43.2264, 27.9279, 3.1142



17.3377, 17.2624, 18.3681



21.0859, 10.8501, 1.8950



1.9810, 1.0161, 0.3233

Inverse Universe

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



39.6993, 20.4351, 3.2909



41.5230, 21.3732, 3.4204



29.5439, 31.4783, 94.9607



17.3377, 17.2624, 18.3681



21.0859, 10.8501, 1.8950



1.9810, 1.0161, 0.3233

Previews

White Background



This preview shows how the XYZ color 39.6989, 20.4338, 3.2906 looks on a white background.

Color Contrast Check

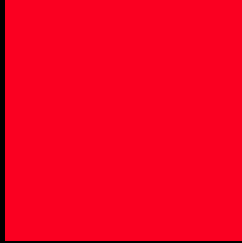
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6989, 20.4338, 3.2906 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 39.6989, 20.4338, 3.2906

Background



This preview shows how black text looks on a background with the XYZ color 39.6989, 20.4338, 3.2906.



This preview shows how white text looks on a background with the XYZ color 39.6989, 20.4338,

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

39.6989, 20.4338, 3.2906

Protanopia

18.9899, 20.7827, 6.7520

Deuteranopia

21.2137, 20.9065, 2.9173



Tritanopia

39.3733, 20.7525, 1.9304

Trichromacy



Original Color

39.6989, 20.4338, 3.2906

Protanomaly

22.2246, 15.6540, 4.6465

Deuteranomaly

24.6431, 16.5329, 2.2402

Tritanomaly

39.3041, 20.5079, 2.2347

Monochromacy



Original Color

39.6989, 20.4338, 3.2906

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.9946, 8.2917, 5.4730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6989, 20.4338, 3.2906 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(250, 0, 33)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 33)  
}
```

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(250, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 39.6989, 20.4338, 3.2906 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(250, 0, 33) }
```


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

```
.border{ border-color:rgb(250, 0, 33) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.6989, 20.4338, 3.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 33) }
```

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

```
.background{ background-color: rgb(250, 0,  
33) }
```

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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