

Converting Colors

XYZ(39.6339, 20.4078, 2.9488)

Have a look what the booklet for
XYZ(39.6339, 20.4078, 2.9488)
contains.

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Color

**XYZ(39.6339, 20.4078,
2.9488)**

Conversions

Conversions Part 1

Format	Color
Hex	FA001C
RGB	250, 0, 28
RGB Percent	98%, 0%, 11%
CMY	0.0196, 0.9997, 0.8902
CMYK	0.00, 1.00, 0.89, 0.02
HSL	353°, 100%, 49%
HSV	353°, 100%, 98%
XYZ	39.6339, 20.4078, 2.9488
YIQ	77.9420, 140.0120, 61.7080

Conversions

Conversions Part 2

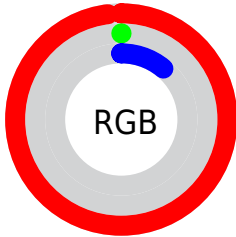
Format	Color
RYB	250, 0, 28
Decimal	16384028
CIELab	52.30, 79.17, 57.69
CIELCh	52, 97.961, 36.079
Yxy	20.4078, 0.6292, 0.3240
Android (android.graphics.Color)	4294574108 (0xFFFA001C)
YUV	77.9420, -24.6214, 150.8949
Hunter-Lab	45.1750, 77.5492, 27.7523

Details

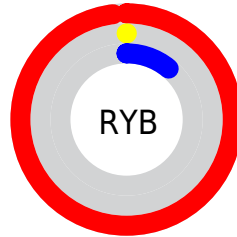
The XYZ color **39.6339, 20.4078, 2.9488** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **47.3797, 73.6485, 80.8714**, and the grayscale version is **7.2640, 7.6423, 8.3225**.

A 20% lighter version of the original color is **46.7274, 30.1475, 10.1937**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.6329, 20.4074, 2.9451**, and if you desaturate by 10%, it is **40.3533, 21.2540, 5.0166**.

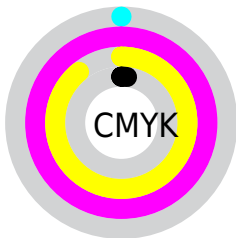
Distribution



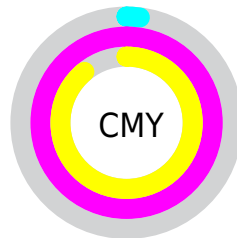
- Red (98%)
- Green (0%)
- Blue (11%)



- Red (98%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6339, 20.4078, 2.9488 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 39.6339, 20.4078, 2.9488 by changing the saturation by 10% instead.


 39.6339, 20.4078,
2.9488


 39.6339, 20.4078,
2.9488


335.7390,
254.1143, 135.7058


 27.4362, 12.6918,
1.0686


 73.8936, 44.0998,
11.5018

 18.0393, 7.2167,
0.0000


 96.6863, 60.8447,
19.0117

 11.0781, 3.5980,
0.0000


 123.7413, 81.3680,
29.2352

 6.1871, 1.4513,
0.0000

 155.4240,
106.0540, 42.5908

 3.0009, 0.2541,
0.0000

 192.0998,
135.2873, 59.4972


 1.1542, 0.0000,
0.0000

 234.1340,


 0.0698, 0.0000,


169.4522, 80.3728


0.0000


 281.8919,
208.9330, 105.6361


 0.0000, 0.0000,
0.0000


 39.6339, 20.4078,
2.9488


 39.6339, 20.4078,
2.9488


 39.6329, 20.4074,
2.9451

 40.3533, 21.2540,
5.0166

 41.7507, 23.0840,
8.4569

 43.9929, 26.1843,
13.4712

 47.1881, 30.7312,
20.2201

 51.4284, 36.8729,
28.8442

■ 56.7948, 44.7393,
39.4694

■ 63.3602, 54.4470,
52.2109

■ 71.1914, 66.1022,
67.1749

■ 80.3503, 79.8034,
84.4605

Harmonies

Analogous

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



45.7271, 20.4078, 16.8496



39.6339, 20.4078, 2.9488



28.3558, 20.4078, 0.0432

Triad

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



39.6339, 20.4078, 2.9488



6.5344, 20.4078, 6.4663



21.5209, 20.4078, 135.5672

Complementary

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



39.6339, 20.4078, 2.9488



47.3797, 73.6485, 80.8714

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.



12.5571, 20.4078, 121.2406



39.6339, 20.4078, 2.9488



5.8104, 20.4078, 28.6266

Square

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



39.6339, 20.4078, 2.9488



10.0820, 20.4078, 0.7685



7.5784, 20.4078, 73.4944



33.1816, 20.4078, 103.9333

Rectangle

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



39.6339, 20.4078, 2.9488



20.7514, 20.4078, 0.0000



7.5784, 20.4078, 73.4944



18.1028, 20.4078, 136.1761

Sweetspot

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



39.6343, 20.4091, 2.9491



66.2351, 56.8901, 54.5318



47.0261, 22.2506, 92.2579



13.5236, 11.2087, 10.4098



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.



39.6343, 20.4091, 2.9491



41.4556, 21.3463, 3.0655



43.5958, 28.6668, 3.2374



17.3235, 17.2567, 18.2932



21.0481, 10.8350, 1.6959



1.9743, 1.0134, 0.2880

Inverse Universe

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



39.6343, 20.4091, 2.9491



41.4556, 21.3463, 3.0655



28.8433, 30.0771, 94.7269



17.3235, 17.2567, 18.2932



21.0481, 10.8350, 1.6959



1.9743, 1.0134, 0.2880

Previews

White Background



This preview shows how the XYZ color 39.6339, 20.4078, 2.9488 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 39.6339, 20.4078, 2.9488

Background



This preview shows how black text looks on a background with the XYZ color 39.6339, 20.4078, 2.9488.



This preview shows how white text looks on a background with the XYZ color 39.6339, 20.4078,

2.9488.

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

39.6339, 20.4078, 2.9488

Protanopia

19.0211, 20.8147, 6.0327

Deuteranopia

21.0145, 20.8039, 2.9080



Tritanopia

39.0178, 20.5693, 1.9138

Trichromacy



Original Color

39.6339, 20.4078, 2.9488



Protanomaly

22.3426, 15.7282, 4.0488



Deuteranomaly

24.3775, 16.3973, 2.1673



Tritanomaly

39.2925, 20.5033, 2.1737

Monochromacy



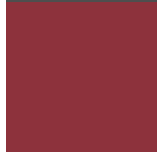
Original Color

39.6339, 20.4078, 2.9488



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.9407, 8.2702, 5.1892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6339, 20.4078, 2.9488 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 28) }
```

Border

The CSS property to change the border of an element to XYZ 39.6339, 20.4078, 2.9488 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, 28) }
```


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

```
.border{ border-color:rgb(250, 0, 28) }
```

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, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.6339, 20.4078, 2.9488 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, 28) }
```

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

```
.background{ background-color: rgb(250, 0,  
28) }
```

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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