

Converting Colors

XYZ(39.0813, 20.3109, 2.0437)

Have a look what the booklet for
XYZ(39.0813, 20.3109, 2.0437)
contains.

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Color

**XYZ(39.2083, 20.3700,
2.0376)**

Conversions

Conversions Part 1

Format	Color
Hex	F90A06
RGB	249, 10, 6
RGB Percent	98%, 4%, 2%
CMY	0.0235, 0.9605, 0.9765
CMYK	0.00, 0.96, 0.98, 0.02
HSL	1°, 95%, 50%
HSV	1°, 98%, 98%
XYZ	39.2083, 20.3700, 2.0376
YIQ	81.0050, 143.7280, 49.4240

Conversions

Conversions Part 2

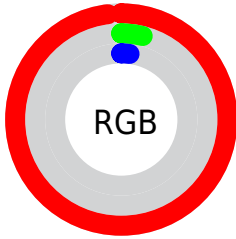
Format	Color
R_{YB}	249, 10, 6
Decimal	16321030
CIE _{Lab}	52.25, 78.01, 64.58
CIE _{LCh}	52, 101.273, 39.618
Yxy	20.3700, 0.6363, 0.3306
Android (android.graphics.Color)	4294511110 (0xFFFF90A06)
YUV	81.0050, -36.9775, 147.3316
Hunter-Lab	45.1331, 76.0845, 28.9165

Details

The XYZ color **39.2083, 20.3700, 2.0376** 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 **49.8049, 72.1403, 100.9211**, and the grayscale version is **7.8807, 8.2911, 9.0290**.

A 20% lighter version of the original color is **46.3842, 30.1572, 7.9336**, and **19.2914, 9.9451, 0.9028** is the 20% darker color. If you saturate the color by 10%, you get **39.1118, 20.2301, 1.8434**, and if you desaturate by 10%, it is **39.9005, 21.4139, 3.3198**.

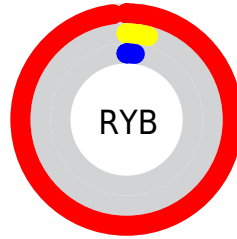
Distribution



Red (98%)

Green (4%)

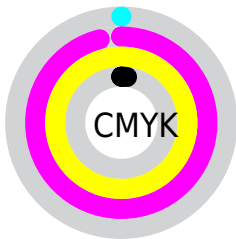
Blue (2%)



Red (98%)

Yellow (4%)

Blue (2%)

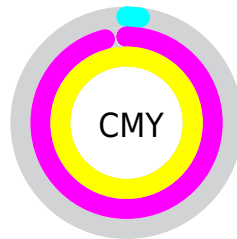


Cyan (0%)

Magenta (96%)

Yellow (98%)

Black (2%)



Cyan (2%)


Magenta (96%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2083, 20.3700, 2.0376 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 39.2083, 20.3700, 2.0376 by changing the saturation by 10% instead.

 39.2083, 20.3700,
2.0376


 39.2083, 20.3700,
2.0376

 333.9672,
253.9112, 122.9579


 27.1033, 12.6643,
0.5783


 73.2485, 44.0367,
9.1433

 17.7878, 7.1978,
0.0000


 95.9143, 60.7664,
15.6760


 10.8965, 3.5861,
0.0000


 122.8311, 81.2729,
24.7533

 6.0641, 1.4448,
0.0000

 154.3642,
105.9406, 36.7938

 2.9251, 0.2494,
0.0000

 190.8791,
135.1539, 52.2159


 1.1143, 0.0000,
0.0000

 232.7409,


 0.0370, 0.0000,


169.2971, 71.4383


0.0000


 280.3152,
208.7548, 94.8795


 0.0000, 0.0000,
0.0000

 39.2083, 20.3700,
2.0376


 39.2083, 20.3700,
2.0376


 39.1118, 20.2301,
1.8434

 39.9005, 21.4139,
3.3198

 41.3414, 23.5548,
6.0836

 43.6737, 26.9955,
10.6348

 47.0102, 31.8975,
17.2063

 51.4468, 38.3993,
25.9961

■ 57.0683, 46.6229,
37.1785

■ 63.9512, 56.6787,
50.9104

■ 72.1657, 68.6680,
67.3354

■ 81.7766, 82.6844,
86.5866

Harmonies

Analogous

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



46.5224, 20.3700, 13.9216



39.2083, 20.3700, 2.0376



27.1929, 20.3700, 0.0000

Triad

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



39.2083, 20.3700, 2.0376



6.0158, 20.3700, 7.6165



22.8977, 20.3700, 140.0915

Complementary

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



39.2083, 20.3700, 2.0376



49.8049, 72.1403, 100.9211

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.



13.1990, 20.3700, 130.8051



39.2083, 20.3700, 2.0376



5.5814, 20.3700, 33.1888

Square

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



39.2083, 20.3700, 2.0376



9.2051, 20.3700, 0.8445



7.6822, 20.3700, 82.3985



35.1146, 20.3700, 101.9936

Rectangle

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



39.2083, 20.3700, 2.0376



19.4946, 20.3700, 0.0000



7.6822, 20.3700, 82.3985



19.2282, 20.3700, 142.8557

Sweetspot

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



39.2087, 20.3713, 2.0379



66.3727, 58.1724, 51.4731



55.6053, 26.8593, 88.5990



13.5247, 11.4553, 9.6566



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.



39.2087, 20.3713, 2.0379



41.2864, 21.3527, 1.9455



47.2898, 36.5335, 4.7316



17.2679, 17.2717, 17.8861



20.9462, 10.8491, 0.9901



1.9479, 1.0207, 0.0943

Inverse Universe

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



49.8049, 72.1403, 100.9211



52.4627, 76.0455, 106.5209



24.3128, 21.1561, 92.4238



17.7395, 19.5557, 22.2250



26.6149, 38.5853, 54.0185



2.4728, 3.5892, 5.0056

Previews

White Background



This preview shows how the XYZ color 39.2083, 20.3700, 2.0376 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 39.2083, 20.3700, 2.0376

Background



This preview shows how black text looks on a background with the XYZ color 39.2083, 20.3700, 2.0376.



This preview shows how white text looks on a background with the XYZ color 39.2083, 20.3700,

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

39.2083, 20.3700, 2.0376

Protanopia

18.7199, 20.6942, 4.4466

Deuteranopia

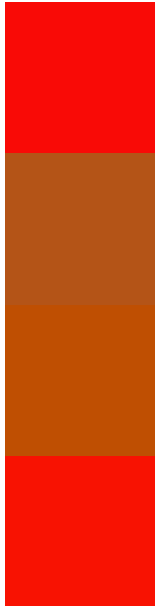
20.6974, 20.4628, 2.8588



Tritanopia

38.6642, 20.3869, 1.8972

Trichromacy



Original Color

39.2083, 20.3700, 2.0376

Protanomaly

22.1474, 16.1058, 2.7520

Deuteranomaly

24.2928, 16.6727, 1.9952

Tritanomaly

38.9387, 20.3935, 1.9415

Monochromacy



Original Color

39.2083, 20.3700, 2.0376

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.1874, 8.7495, 4.4838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2083, 20.3700, 2.0376 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(249, 10, 6)` looks like.

```
.text, #text, p{  
    color:rgb(249, 10, 6)  
}
```

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(249, 10, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 10, 6) }
```

Border

The CSS property to change the border of an element to XYZ 39.2083, 20.3700, 2.0376 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(249, 10, 6) }
```


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

```
.border{ border-color:rgb(249, 10, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 10, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 10, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 10, 6);  
box-shadow:4px 4px 4px 4px rgb(249, 10, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.2083, 20.3700, 2.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 10, 6) }
```

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

```
.background{ background-color: rgb(249, 10,  
6) }
```

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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