

Converting Colors

XYZ(38.7453, 20.0763, 2.7813)

Have a look what the booklet for
XYZ(38.7453, 20.0763, 2.7813)
contains.

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Color

**XYZ(38.6311, 20.0224,
2.8059)**

Conversions

Conversions Part 1

Format	Color
Hex	F7081A
RGB	247, 8, 26
RGB Percent	97%, 3%, 10%
CMY	0.0314, 0.9684, 0.8980
CMYK	0.00, 0.97, 0.89, 0.03
HSL	355°, 94%, 50%
HSV	355°, 97%, 97%
XYZ	38.6311, 20.0224, 2.8059
YIQ	81.5130, 136.6660, 56.2660

Conversions

Conversions Part 2

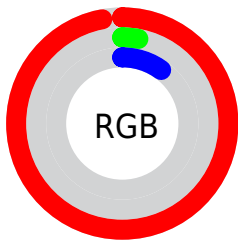
Format	Color
RYB	247, 8, 26
Decimal	16189466
CIELab	51.86, 77.86, 57.93
CIELCh	52, 97.046, 36.650
Yxy	20.0224, 0.6286, 0.3258
Android (android.graphics.Color)	4294379546 (0xFFFF7081A)
YUV	81.5130, -27.3679, 145.1321
Hunter-Lab	44.7464, 75.7990, 27.6046

Details

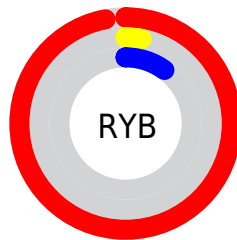
The XYZ color **38.6311, 20.0224, 2.8059** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **47.5132, 72.2338, 85.6136**, and the grayscale version is **7.9636, 8.3783, 9.1240**.

A 20% lighter version of the original color is **46.7847, 30.3174, 10.0426**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.4712, 19.8195, 2.3936**, and if you desaturate by 10%, it is **39.4460, 21.0692, 4.8765**.

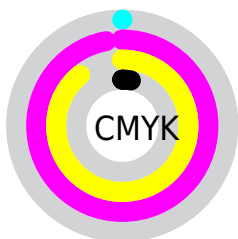
Distribution



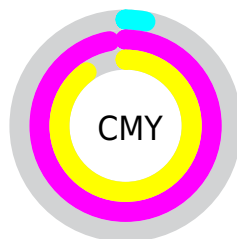
- Red (97%)
- Green (3%)
- Blue (10%)



- Red (97%)
- Yellow (3%)
- Blue (10%)



- Cyan (0%)
- Magenta (97%)
- Yellow (89%)
- Black (3%)





- Cyan (3%)
- Magenta (97%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6311, 20.0224, 2.8059 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 38.6311, 20.0224, 2.8059 by changing the saturation by 10% instead.


 38.6311, 20.0224,
2.8059


 38.6311, 20.0224,
2.8059


331.5538,
252.0364, 133.8488


 26.6523, 12.4113,
0.9964


 72.3721, 43.4547,
11.1456


 17.4475, 7.0245,
0.0000


 94.8650, 60.0448,
18.5129


 10.6513, 3.4774,
0.0000


 121.5934, 80.3966,
28.5699

 5.8985, 1.3858,
0.0000

 152.9225,
104.8946, 41.7350

 2.8235, 0.2062,
0.0000

 189.2177,
133.9232, 58.4270


 1.0611, 0.0000,
0.0000


 230.8444,


 0.0000, 0.0000,


167.8668, 79.0642


0.0000


 278.1680,
207.1097, 104.0653

 38.6311, 20.0224,
2.8059


 38.6311, 20.0224,
2.8059


 38.4712, 19.8195,
2.3936

 39.4460, 21.0692,
4.8765

 41.0034, 23.2103,
8.3973

 43.4319, 26.6513,
13.5718

 46.8346, 31.5546,
20.5704

 51.3004, 38.0589,
29.5421

■ 56.9080, 46.2869,
40.6207

■ 63.7287, 56.3491,
53.9281

■ 71.8279, 68.3471,
69.5771

■ 81.2664, 82.3748,
87.6727

Harmonies

Analogous

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



44.7256, 20.0224, 16.1028



38.6311, 20.0224, 2.8059



27.5684, 20.0224, 0.0224

Triad

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



38.6311, 20.0224, 2.8059



6.3997, 20.0224, 6.5942



21.3097, 20.0224, 132.2629

Complementary

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



38.6311, 20.0224, 2.8059



47.5132, 72.2338, 85.6136

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.



12.4673, 20.0224, 119.1575



38.6311, 20.0224, 2.8059



5.7356, 20.0224, 28.7061

Square

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



38.6311, 20.0224, 2.8059



9.8154, 20.0224, 0.8081



7.5202, 20.0224, 72.8608



32.7244, 20.0224, 100.7079

Rectangle

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



38.6311, 20.0224, 2.8059



20.1590, 20.0224, 0.0000



7.5202, 20.0224, 72.8608



17.9453, 20.0224, 133.1709

Sweetspot

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



38.6315, 20.0237, 2.8062



66.7010, 57.8989, 54.4502



48.5823, 23.2357, 89.9195



13.5995, 11.3934, 10.3340



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.



38.6315, 20.0237, 2.8062



41.3588, 21.3075, 2.5554



43.7244, 30.4370, 3.8020



16.5496, 16.5027, 17.3748



20.3652, 10.4895, 1.3658



1.8071, 0.9288, 0.2105

Inverse Universe

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



38.6315, 20.0237, 2.8062



41.3588, 21.3075, 2.5554



27.3921, 27.7730, 91.9121



16.5496, 16.5027, 17.3748



20.3652, 10.4895, 1.3658



1.8071, 0.9288, 0.2105

Previews

White Background



This preview shows how the XYZ color 38.6311, 20.0224, 2.8059 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 38.6311, 20.0224, 2.8059 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 38.6311, 20.0224, 2.8059

Background



This preview shows how black text looks on a background with the XYZ color 38.6311, 20.0224, 2.8059.



This preview shows how white text looks on a background with the XYZ color 38.6311, 20.0224,

2.8059.

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

38.6311, 20.0224, 2.8059

Protanopia

18.5146, 20.3696, 5.7522

Deuteranopia

20.3831, 20.1250, 2.8102



Tritanopia

38.2929, 20.1666, 1.8743

Trichromacy



Original Color

38.6311, 20.0224, 2.8059

Protanomaly

21.7604, 15.6528, 3.8819

Deuteranomaly

24.0089, 16.4157, 2.1616

Tritanomaly

38.2558, 20.0135, 2.1051

Monochromacy



Original Color

38.6311, 20.0224, 2.8059

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.3910, 8.8310, 5.5562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6311, 20.0224, 2.8059 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, 8, 26)` looks like.

```
.text, #text, p{  
    color:rgb(247, 8, 26)  
}
```

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, 8, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 8, 26) }
```

Border

The CSS property to change the border of an element to XYZ 38.6311, 20.0224, 2.8059 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, 8, 26) }
```


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

```
.border{ border-color:rgb(247, 8, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 8, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 8, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 8, 26);  
box-shadow:4px 4px 4px 4px rgb(247, 8, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.6311, 20.0224, 2.8059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 8, 26) }
```

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

```
.background{ background-color: rgb(247, 8,  
26) }
```

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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