

Converting Colors

XYZ(38.6640, 19.9109, 2.7629)

Have a look what the booklet for
XYZ(38.6640, 19.9109, 2.7629)
contains.

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Color

**XYZ(38.5442, 19.8487,
2.7770)**

Conversions

Conversions Part 1

Format	Color
Hex	F7001A
RGB	247, 0, 26
RGB Percent	97%, 0%, 10%
CMY	0.0314, 0.9997, 0.8980
CMYK	0.00, 1.00, 0.89, 0.03
HSL	354°, 100%, 48%
HSV	354°, 100%, 97%
XYZ	38.5442, 19.8487, 2.7770
YIQ	76.8170, 138.8660, 60.4500

Conversions

Conversions Part 2

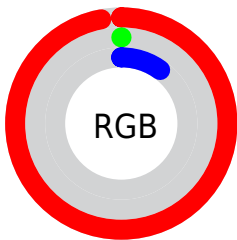
Format	Color
RYB	247, 0, 26
Decimal	16187418
CIELab	51.67, 78.43, 57.79
CIELCh	52, 97.424, 36.386
Yxy	19.8487, 0.6301, 0.3245
Android (android.graphics.Color)	4294377498 (0xFFFF7001A)
YUV	76.8170, -25.0528, 149.2505
Hunter-Lab	44.5519, 76.4641, 27.4907

Details

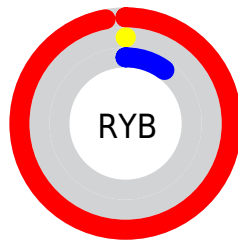
The XYZ color **38.5442, 19.8487, 2.7770** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **46.3207, 71.7452, 79.8570**, and the grayscale version is **7.0536, 7.4210, 8.0814**.

A 20% lighter version of the original color is **46.5682, 29.9388, 9.8029**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **38.5433, 19.8483, 2.7736**, and if you desaturate by 10%, it is **39.2358, 20.6735, 4.7303**.

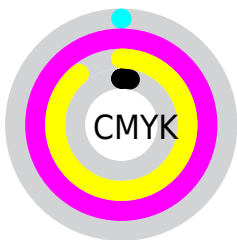
Distribution



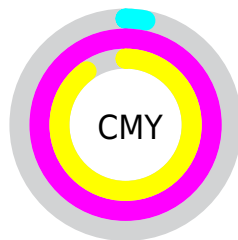
- Red (97%)
- Green (0%)
- Blue (10%)



- Red (97%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5442, 19.8487, 2.7770 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 38.5442, 19.8487, 2.7770 by changing the saturation by 10% instead.


 38.5442, 19.8487,
2.7770


 38.5442, 19.8487,
2.7770


331.1894,
251.0949, 133.4677


 26.5845, 12.2851,
0.9819


 72.2400, 43.1634,
11.0730


 17.3964, 6.9382,
0.0000


 94.7068, 59.6832,
18.4111

 10.6145, 3.4235,
0.0000


 121.4067, 79.9573,
28.4338

 5.8736, 1.3566,
0.0000

 152.7050,
104.3700, 41.5599

 2.8083, 0.1844,
0.0000

 188.9670,
133.3058, 58.2078

 1.0532, 0.0000,
0.0000


 230.5582,


 0.0000, 0.0000,


167.1489, 78.7960


0.0000


 277.8438,
206.2838, 103.7431


 38.5442, 19.8487,
2.7770


 38.5442, 19.8487,
2.7770


 38.5433, 19.8483,
2.7736

 39.2358, 20.6735,
4.7303

 40.5875, 22.4546,
8.0245

 42.7629, 25.4718,
12.8610

 45.8679, 29.8965,
19.3994

 49.9922, 35.8729,
27.7795

■ 55.2152, 43.5273,
38.1264

■ 61.6080, 52.9729,
50.5541

■ 69.2359, 64.3131,
65.1682

■ 78.1594, 77.6436,
82.0666

Harmonies

Analogous

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



44.5800, 19.8487, 16.1318



38.5442, 19.8487, 2.7770



27.4969, 19.8487, 0.0000

Triad

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



38.5442, 19.8487, 2.7770



6.3043, 19.8487, 6.3697



21.0474, 19.8487, 132.4243

Complementary

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



38.5442, 19.8487, 2.7770



46.3207, 71.7452, 79.8570

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.



12.2609, 19.8487, 118.8599



38.5442, 19.8487, 2.7770



5.6245, 19.8487, 28.2106

Square

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



38.5442, 19.8487, 2.7770



9.7262, 19.8487, 0.7445



7.3721, 19.8487, 72.2687



32.4495, 19.8487, 101.0666

Rectangle

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



38.5442, 19.8487, 2.7770



20.0825, 19.8487, 0.0000



7.3721, 19.8487, 72.2687



17.6989, 19.8487, 133.1902

Sweetspot

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



38.5446, 19.8500, 2.7773



66.1800, 56.8681, 54.2418



45.7594, 21.6515, 89.7623



13.5110, 11.2036, 10.3437



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.



38.5446, 19.8500, 2.7773



41.4353, 21.3381, 2.9586



42.4251, 27.9087, 3.1527



16.5699, 16.5108, 17.4815



20.4085, 10.5068, 1.5935



1.8167, 0.9326, 0.2612

Inverse Universe

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



38.5446, 19.8500, 2.7773



41.4353, 21.3381, 2.9586



28.0728, 29.2830, 92.1675



16.5699, 16.5108, 17.4815



20.4085, 10.5068, 1.5935



1.8167, 0.9326, 0.2612

Previews

White Background



This preview shows how the XYZ color 38.5442, 19.8487, 2.7770 looks on a white background.

Color Contrast Check

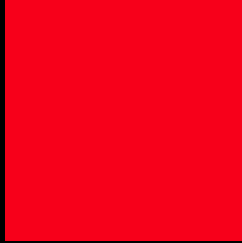
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5442, 19.8487, 2.7770 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 38.5442, 19.8487, 2.7770

Background



This preview shows how black text looks on a background with the XYZ color 38.5442, 19.8487, 2.7770.



This preview shows how white text looks on a background with the XYZ color 38.5442, 19.8487,

2.7770.

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

38.5442, 19.8487, 2.7770

Protanopia

18.5146, 20.3696, 5.7522

Deuteranopia

20.3831, 20.1250, 2.8102

Trichromacy



Original Color

38.5442, 19.8487, 2.7770

Protanomaly

21.6118, 15.3555, 3.8323

Deuteranomaly

23.8006, 15.9990, 2.0921

Monochromacy



Original Color

38.5442, 19.8487, 2.7770

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.5095, 7.9911, 4.8861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5442, 19.8487, 2.7770 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 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, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 26) }
```

Border

The CSS property to change the border of an element to XYZ 38.5442, 19.8487, 2.7770 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, 26) }
```

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

```
.border{ border-color:rgb(247, 0, 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, 0, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 26)  
}
```


Background

The CSS property to change the background color of an element to XYZ 38.5442, 19.8487, 2.7770 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, 26) }
```

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

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