

Converting Colors

XYZ(38.3410, 20.8857, 2.0105)

Have a look what the booklet for
XYZ(38.3410, 20.8857, 2.0105)
contains.

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Color

**XYZ(38.4150, 20.9301,
2.0152)**

Conversions

Conversions Part 1

Format	Color
Hex	F52800
RGB	245, 40, 0
RGB Percent	96%, 16%, 0%
CMY	0.0392, 0.8430, 1.0000
CMYK	0.00, 0.84, 1.00, 0.04
HSL	10°, 100%, 48%
HSV	10°, 100%, 96%
XYZ	38.4150, 20.9301, 2.0152
YIQ	96.7350, 135.0200, 31.0200

Conversions

Conversions Part 2

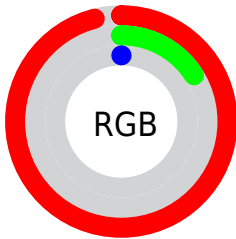
Format	Color
RYB	245, 48, 0
Decimal	16066560
CIELab	52.87, 72.81, 65.84
CIELCh	53, 98.168, 42.123
Yxy	20.9301, 0.6261, 0.3411
Android (android.graphics.Color)	4294256640 (0xFFFF52800)
YUV	96.7350, -47.6904, 130.0284
Hunter-Lab	45.7494, 69.8219, 29.4130

Details

The XYZ color **38.4150, 20.9301, 2.0152** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **38.3074, 50.2447, 94.0647**, and the grayscale version is **11.3899, 11.9831, 13.0496**.

A 20% lighter version of the original color is **47.3920, 32.3009, 7.8745**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **38.4154, 20.9313, 2.0154**, and if you desaturate by 10%, it is **39.4693, 22.7669, 3.2059**.

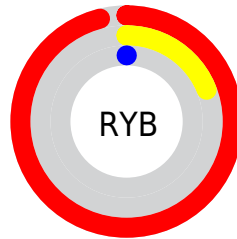
Distribution



Red (96%)

Green (16%)

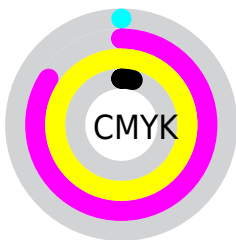
Blue (0%)



Red (96%)

Yellow (19%)

Blue (0%)

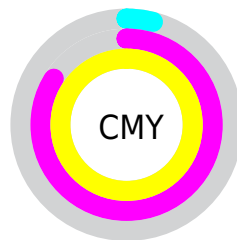


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (84%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4150, 20.9301, 2.0152 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 38.4150, 20.9301, 2.0152 by changing the saturation by 10% instead.

 38.4150, 20.9301,
2.0152

 38.4150, 20.9301,
2.0152


 330.6470,
256.9068, 122.6123


 26.4836, 13.0729,
0.5646


 72.0436, 44.9712,
9.0823


 17.3204, 7.4788,
0.0000


 94.4715, 61.9239,
15.5886

 10.5599, 3.7633,
0.0000


 121.1290, 82.6772,
24.6347

 5.8368, 1.5420,
0.0000

 152.3813,
107.6155, 36.6393

 2.7858, 0.3180,
0.0000

 188.5940,
137.1232, 52.0208


 1.0415, 0.0000,
0.0000


 230.1322,


 0.0000, 0.0000,


171.5847, 71.1978


0.0000


 277.3615,
211.3845, 94.5888


 38.4150, 20.9301,
2.0152


 38.4150, 20.9301,
2.0152


 38.4154, 20.9313,
2.0154

 39.4693, 22.7669,
3.2059

 41.1541, 25.5216,
5.6630

 43.5791, 29.3079,
9.7509

 46.8217, 34.2166,
15.6922

 50.9491, 40.3284,
23.6744

■ 56.0212, 47.7166,
33.8617

■ 62.0926, 56.4482,
46.4018

■ 69.2137, 66.5858,
61.4293

■ 77.4315, 78.1880,
79.0690

Harmonies

Analogous

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



46.0991, 20.9301, 12.8613



38.4150, 20.9301, 2.0152



26.5876, 20.9301, 0.0000

Triad

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



38.4150, 20.9301, 2.0152



6.4021, 20.9301, 9.4695



24.3323, 20.9301, 134.7474

Complementary

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



38.4150, 20.9301, 2.0152



38.3074, 50.2447, 94.0647

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.



14.4293, 20.9301, 130.0018



38.4150, 20.9301, 2.0152



6.1643, 20.9301, 36.8386

Square

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



38.4150, 20.9301, 2.0152



9.3755, 20.9301, 1.3191



8.5523, 20.9301, 85.6034



36.2830, 20.9301, 95.6702

Rectangle

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



38.4150, 20.9301, 2.0152



19.1714, 20.9301, 0.0000



8.5523, 20.9301, 85.6034



20.6333, 20.9301, 138.7813

Sweetspot

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



38.4154, 20.9314, 2.0155



67.9562, 61.7546, 50.7213



49.0718, 23.9787, 61.8775



13.9154, 12.3147, 9.5466



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.



38.4154, 20.9314, 2.0155



42.0558, 22.8916, 2.2019



50.0970, 44.2946, 5.9094



16.7178, 16.9197, 17.1823



20.7608, 11.4072, 1.1076



1.8869, 1.1271, 0.1181

Inverse Universe

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



38.3074, 50.2447, 94.0647



41.9311, 54.9823, 103.0104



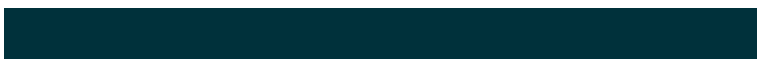
19.7892, 13.2083, 87.8920



16.7528, 18.2698, 21.1860



20.7241, 27.2419, 50.7040



1.8816, 2.5146, 4.4764

Previews

White Background



This preview shows how the XYZ color 38.4150, 20.9301, 2.0152 looks on a white background.

Color Contrast Check

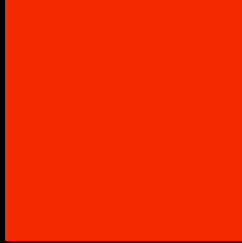
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4150, 20.9301, 2.0152 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 38.4150, 20.9301, 2.0152

Background



This preview shows how black text looks on a background with the XYZ color 38.4150, 20.9301, 2.0152.



This preview shows how white text looks on a background with the XYZ color 38.4150, 20.9301,

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

38.4150, 20.9301, 2.0152

Protanopia

19.1514, 21.1121, 4.2940

Deuteranopia

21.3346, 21.1483, 2.9576



Tritanopia

38.6527, 20.9201, 3.5909

Trichromacy



Original Color

38.4150, 20.9301, 2.0152

Protanomaly

23.0321, 17.9347, 2.8639

Deuteranomaly

25.3130, 18.7307, 2.2812

Tritanomaly

38.5265, 20.9214, 2.7667

Monochromacy



Original Color

38.4150, 20.9301, 2.0152

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

16.2164, 12.0960, 6.0375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4150, 20.9301, 2.0152 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(245, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 40, 0)  
}
```

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(245, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 40, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.4150, 20.9301, 2.0152 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(245, 40, 0) }
```


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

```
.border{ border-color:rgb(245, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.4150, 20.9301, 2.0152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 40, 0) }
```

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

```
.background{ background-color: rgb(245, 40,  
0) }
```

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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