

Converting Colors

$Y_{xy}(38.1657, 0.5231, 0.4167)$

Have a look what the booklet for
Yxy(38.1657, 0.5231, 0.4167)
contains.

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Color

Yxy(38.1839, 0.5231, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	F88A14
RGB	248, 138, 20
RGB Percent	97%, 54%, 8%
CMY	0.0275, 0.4588, 0.9216
CMYK	0.00, 0.44, 0.92, 0.03
HSL	31°, 94%, 53%
HSV	31°, 92%, 97%
XYZ	47.9223, 38.1839, 5.5059
YIQ	157.4380, 103.4380, -13.3780

Conversions

Conversions Part 2

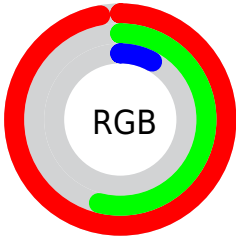
Format	Color
R _Y B	233, 248, 20
Decimal	16288276
CIE Lab	68.16, 35.22, 71.14
CIE LCh	68, 79.378, 63.663
Yxy	38.1839, 0.5231, 0.4168
Android (android.graphics.Color)	4294478356 (0xFFFF88A14)
YUV	157.4380, -67.7569, 79.4229
Hunter-Lab	61.7931, 30.2937, 37.9723

Details

The Yxy color **38.1839, 0.5231, 0.4168** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **22.8814, 0.1801, 0.1635**, and the grayscale version is **34.2035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5685, 0.4484, 0.4335**, and **17.1307, 0.5494, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **35.4889, 0.5381, 0.4109**, and if you desaturate by 10%, it is **41.9473, 0.5011, 0.4197**.

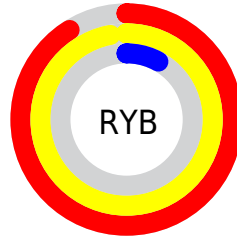
Distribution



Red (97%)

Green (54%)

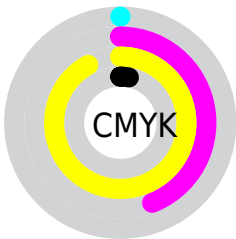
Blue (8%)



Red (91%)

Yellow (97%)

Blue (8%)

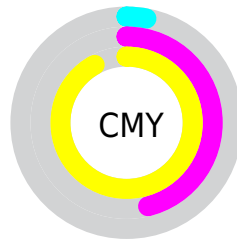


Cyan (0%)

Magenta (44%)

Yellow (92%)

Black (3%)



Cyan (3%)


Magenta (46%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1839, 0.5231, 0.4168 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 Yxy color 38.1839, 0.5231, 0.4168 by changing the saturation by 10% instead.


 38.1839, 0.5231,
0.4168


 38.1839, 0.5231,
0.4168


338.4082, 0.4236,
0.3884


 26.1255, 0.5429,
0.4174


 72.3899, 0.4902,
0.4112


 16.9175, 0.5648,
0.4148


 95.3063, 0.4768,
0.4077


 10.1757, 0.5916,
0.4084


 122.6107, 0.4650,
0.4041

 5.5156, 0.6127,
0.3873

 154.6877, 0.4546,
0.4006

 2.5528, 0.6440,
0.3560

 191.9215, 0.4455,
0.3972

 0.9030, 0.6949,
0.3051

 234.6966, 0.4374,

 0.0000, 1.0000,

0.3941

0.0000

283.3974, 0.4301,
0.3912

■ 0.0000, 0.0000,
0.0000

■ 38.1839, 0.5231,
0.4168

■ 38.1839, 0.5231,
0.4168

■ 35.4889, 0.5381,
0.4109


■ 41.9473, 0.5011,
0.4197

■ 46.2102, 0.4758,
0.4171

■ 51.0028, 0.4489,
0.4098


■ 56.3501, 0.4220,
0.3991

■ 62.2747, 0.3964,
0.3863

 68.7975, 0.3727,
0.3724

 75.9383, 0.3513,
0.3583

 83.7154, 0.3324,
0.3446

 92.1465, 0.3157,
0.3314

Harmonies

Analogous

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



38.1839, 0.5343, 0.3403



38.1839, 0.5231, 0.4168



38.1839, 0.4526, 0.4968

Triad

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



38.1839, 0.5231, 0.4168



38.1839, 0.1706, 0.3758



38.1839, 0.2352, 0.1756

Complementary

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



38.1839, 0.5231, 0.4168



22.8814, 0.1801, 0.1635

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.



38.1839, 0.1648, 0.1663



38.1839, 0.5231, 0.4168



38.1839, 0.1323, 0.2544

Square

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



38.1839, 0.5231, 0.4168



38.1839, 0.2511, 0.5085



38.1839, 0.1319, 0.1886



38.1839, 0.3449, 0.2120

Rectangle

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



38.1839, 0.5231, 0.4168



38.1839, 0.3885, 0.5386



38.1839, 0.1319, 0.1886



38.1839, 0.2072, 0.1693

Sweetspot

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



38.1859, 0.5231, 0.4168



76.1851, 0.3641, 0.3669



22.0708, 0.4872, 0.2501



15.6231, 0.3736, 0.3730



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1859, 0.5231, 0.4168



37.7631, 0.5383, 0.4108



86.4420, 0.4153, 0.5052



18.7116, 0.3281, 0.3413



19.4564, 0.5357, 0.4128



2.0144, 0.5181, 0.4269

Inverse Universe

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



22.8814, 0.1801, 0.1635



21.3854, 0.1746, 0.1486



7.4683, 0.1536, 0.0653



18.0247, 0.2980, 0.3164



11.1464, 0.1755, 0.1517



1.2435, 0.1816, 0.1737

Previews

White Background



This preview shows how the Yxy color 38.1839, 0.5231, 0.4168 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.1839, 0.5231, 0.4168 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1839, 0.5231, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 38.1839, 0.5231, 0.4168.



This preview shows how white text looks on a background with the Yxy color 38.1839, 0.5231, 0.4168.

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

38.1839, 0.5231, 0.4168

Protanopia

38.4175, 0.4351, 0.4806

Deuteranopia

38.3026, 0.4725, 0.4630



Tritanopia

38.1560, 0.4416, 0.3190

Trichromacy



Original Color

38.1839, 0.5231, 0.4168

Protanomaly

37.5532, 0.4691, 0.4558

Deuteranomaly

37.9959, 0.4913, 0.4461

Tritanomaly

37.8380, 0.4844, 0.3658

Monochromacy



Original Color

38.1839, 0.5231, 0.4168

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.8214, 0.3989, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1839, 0.5231, 0.4168 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(248, 138, 20)` looks like.

```
.text, #text, p{  
    color:rgb(248, 138, 20)  
}
```

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(248, 138, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 138, 20) }
```

Border

The CSS property to change the border of an element to Yxy 38.1839, 0.5231, 0.4168 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(248, 138, 20) }
```

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

```
.border{ border-color:rgb(248, 138, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 138, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 138, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 138, 20);  
box-shadow:4px 4px 4px 4px rgb(248, 138,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1839, 0.5231, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 138, 20) }
```

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

```
.background{ background-color: rgb(248,  
138, 20) }
```

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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