

Converting Colors

$Y_{xy}(35.0765, 0.5190, 0.3887)$

Have a look what the booklet for
Yxy(35.0765, 0.5190, 0.3887)
contains.

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Color

Yxy(35.1837, 0.5190, 0.3890)

Conversions

Conversions Part 1

Format	Color
Hex	F87E3A
RGB	248, 126, 58
RGB Percent	97%, 49%, 23%
CMY	0.0274, 0.5059, 0.7725
CMYK	0.00, 0.49, 0.77, 0.03
HSL	21°, 93%, 60%
HSV	21°, 77%, 97%
XYZ	46.9417, 35.1837, 8.3211
YIQ	154.7260, 94.5400, 4.7160

Conversions

Conversions Part 2

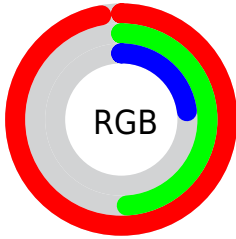
Format	Color
R _{YB}	248, 164, 58
Decimal	16285242
CIE Lab	65.89, 42.24, 56.32
CIE LCh	66, 70.402, 53.127
Yxy	35.1837, 0.5190, 0.3890
Android (android.graphics.Color)	4294475322 (0xFFFF87E3A)
YUV	154.7260, -47.6859, 81.8013
Hunter-Lab	59.3158, 37.4597, 33.2036

Details

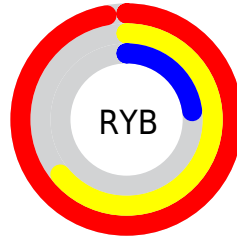
The Yxy color **35.1837, 0.5190, 0.3890** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **40.3362, 0.2059, 0.2371**, and the grayscale version is **32.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0066, 0.4396, 0.4008**, and **15.2118, 0.5697, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **31.2369, 0.5507, 0.3859**, and if you desaturate by 10%, it is **39.9043, 0.4845, 0.3872**.

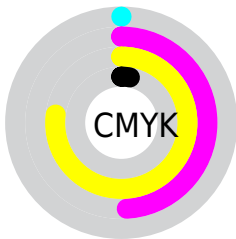
Distribution



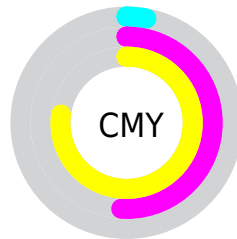
- Red (97%)
- Green (49%)
- Blue (23%)



- Red (97%)
- Yellow (64%)
- Blue (23%)



- Cyan (0%)
- Magenta (49%)
- Yellow (77%)
- Black (3%)





- Cyan (3%)
- Magenta (51%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1837, 0.5190, 0.3890 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 35.1837, 0.5190, 0.3890 by changing the saturation by 10% instead.


 35.1837, 0.5190,
0.3890


 35.1837, 0.5190,
0.3890


325.3784, 0.4156,
0.3702

 23.8044, 0.5423,
0.3889

 67.7703, 0.4827,
0.3856


 15.1886, 0.5700,
0.3858


 89.7463, 0.4686,
0.3832


 8.9519, 0.6048,
0.3787


 116.0234, 0.4565,
0.3808

 4.7098, 0.6410,
0.3590

 146.9860, 0.4460,
0.3785

 2.0780, 0.6799,
0.3201

 183.0183, 0.4369,
0.3762

 0.6522, 0.7482,
0.2518

 224.5049, 0.4289,

 0.0000, 1.0000,

0.3741

0.0000

271.8302, 0.4219,
0.3721

■ 0.0000, 0.0000,
0.0000

■ 35.1837, 0.5190,
0.3890

■ 35.1837, 0.5190,
0.3890

■ 31.2369, 0.5507,
0.3859

■ 39.9043, 0.4845,
0.3872

■ 28.0082, 0.5767,
0.3776


■ 45.4370, 0.4502,
0.3816

■ 27.0614, 0.5844,
0.3742


■ 51.8238, 0.4180,
0.3735


■ 59.1016, 0.3891,
0.3640

■ 67.3051, 0.3638,
0.3541

 76.4669, 0.3420,
0.3443

 86.6179, 0.3234,
0.3349

 97.6956, 0.3085,
0.3275

 98.7002, 0.3084,
0.3290

Harmonies

Analogous

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



35.1837, 0.5014, 0.3183



35.1837, 0.5190, 0.3890



35.1837, 0.4722, 0.4629

Triad

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



35.1837, 0.5190, 0.3890



35.1837, 0.2047, 0.4174



35.1837, 0.2140, 0.1795

Complementary

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



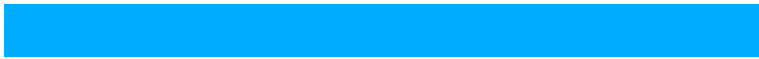
35.1837, 0.5190, 0.3890



40.3362, 0.2059, 0.2371

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.



35.1837, 0.1601, 0.1811



35.1837, 0.5190, 0.3890



35.1837, 0.1531, 0.2959

Square

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



35.1837, 0.5190, 0.3890



35.1837, 0.2910, 0.5157



35.1837, 0.1401, 0.2160



35.1837, 0.3043, 0.2054

Rectangle

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



35.1837, 0.5190, 0.3890



35.1837, 0.4187, 0.5063



35.1837, 0.1401, 0.2160



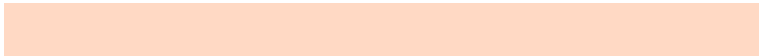
35.1837, 0.1919, 0.1768

Sweetspot

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



35.1856, 0.5190, 0.3890



75.0595, 0.3556, 0.3506



26.3448, 0.4003, 0.2169



15.3361, 0.3639, 0.3542



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.



35.1856, 0.5190, 0.3890



31.2803, 0.5659, 0.3819



71.2000, 0.4316, 0.4732



18.2415, 0.3285, 0.3375



14.8562, 0.5815, 0.3764



1.5683, 0.5588, 0.3945

Inverse Universe

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



40.3362, 0.2059, 0.2371



36.5230, 0.1944, 0.2156



14.4160, 0.1738, 0.1136



18.5026, 0.2980, 0.3203



17.3812, 0.1909, 0.2072



1.8101, 0.1954, 0.2234

Previews

White Background



This preview shows how the Yxy color 35.1837, 0.5190, 0.3890 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 35.1837, 0.5190, 0.3890 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 35.1837, 0.5190, 0.3890

Background



This preview shows how black text looks on a background with the Yxy color 35.1837, 0.5190, 0.3890.



This preview shows how white text looks on a background with the Yxy color 35.1837, 0.5190, 0.3890.

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

35.1837, 0.5190, 0.3890

Protanopia

35.4908, 0.4126, 0.4522

Deuteranopia

35.1043, 0.4549, 0.4449



Tritanopia

35.2352, 0.4578, 0.3213

Trichromacy



Original Color

35.1837, 0.5190, 0.3890

Protanomaly

34.3873, 0.4531, 0.4278

Deuteranomaly

34.8074, 0.4791, 0.4235

Tritanomaly

35.2024, 0.4841, 0.3493

Monochromacy



Original Color

35.1837, 0.5190, 0.3890

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1214, 0.3876, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1837, 0.5190, 0.3890 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, 126, 58)` looks like.

```
.text, #text, p{  
    color:rgb(248, 126, 58)  
}
```

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, 126, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 126, 58) }
```

Border

The CSS property to change the border of an element to Yxy 35.1837, 0.5190, 0.3890 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, 126, 58) }
```

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

```
.border{ border-color:rgb(248, 126, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 126, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 126, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 126, 58);  
box-shadow:4px 4px 4px 4px rgb(248, 126,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1837, 0.5190, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 126, 58) }
```

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

```
.background{ background-color: rgb(248,  
126, 58) }
```

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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