

Converting Colors

$Y_{xy}(35.1125, 0.5207, 0.3877)$

Have a look what the booklet for
Yxy(35.1125, 0.5207, 0.3877)
contains.

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Color

Yxy(35.1125, 0.5207, 0.3877)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | F97D3A |
| RGB | 249, 125, 58 |
| RGB Percent | 98%, 49%, 23% |
| CMY | 0.0236, 0.5097, 0.7725 |
| CMYK | 0.00, 0.50, 0.77, 0.02 |
| HSL | 21°, 94%, 60% |
| HSV | 21°, 77%, 98% |
| XYZ | 47.1578, 35.1125, 8.2959 |
| YIQ | 154.4380, 95.4110, 5.4510 |

Conversions

Conversions Part 2

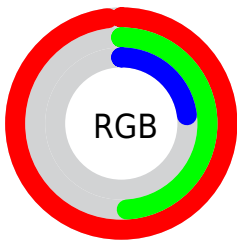
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 249, 161, 58 |
| Decimal | 16350522 |
| CIE Lab | 65.84, 43.09, 56.31 |
| CIE LCh | 66, 70.904, 52.577 |
| Yxy | 35.1125, 0.5207, 0.3877 |
| Android (android.graphics.Color) | 4294540602 (0xFFFF97D3A) |
| YUV | 154.4380, -47.5439, 82.9309 |
| Hunter-Lab | 59.2558, 38.3588, 33.1784 |

Details

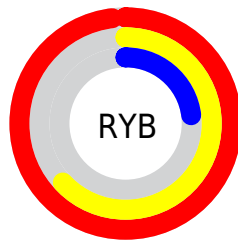
The Yxy color **35.1125, 0.5207, 0.3877** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.1762, 0.2062, 0.2388**, and the grayscale version is **32.7028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6043, 0.4402, 0.3998**, and **15.2042, 0.5718, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **31.1542, 0.5527, 0.3844**, and if you desaturate by 10%, it is **39.8628, 0.4859, 0.3861**.

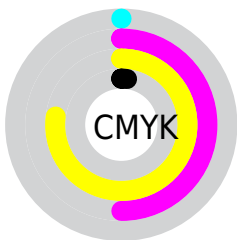
Distribution



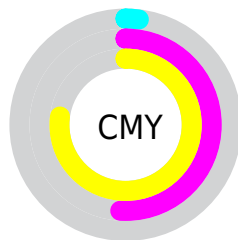
- Red (98%)
- Green (49%)
- Blue (23%)



- Red (98%)
- Yellow (63%)
- Blue (23%)



- Cyan (0%)
- Magenta (50%)
- Yellow (77%)
- Black (2%)





- Cyan (2%)
- Magenta (51%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1125, 0.5207, 0.3877 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 35.1125, 0.5207, 0.3877 by changing the saturation by 10% instead.

 35.1125, 0.5207,
0.3877


 35.1125, 0.5207,
0.3877

325.0646, 0.4164,
0.3697

 23.7495, 0.5442,
0.3874


 67.6600, 0.4841,
0.3846

 15.1479, 0.5721,
0.3840


 89.6134, 0.4699,
0.3824

 8.9233, 0.6074,
0.3765


 115.8656, 0.4577,
0.3801

 4.6912, 0.6438,
0.3562

 146.8012, 0.4471,
0.3778

 2.0672, 0.6832,
0.3168

 182.8045, 0.4379,
0.3756

 0.6461, 0.7525,
0.2475

 224.2599, 0.4298,

 0.0000, 1.0000,

0.3735

0.0000

271.5518, 0.4227,
0.3716

■ 0.0000, 0.0000,
0.0000

■ 35.1125, 0.5207,
0.3877

■ 35.1125, 0.5207,
0.3877

■ 31.1542, 0.5527,
0.3844

■ 39.8628, 0.4859,
0.3861

■ 27.9302, 0.5788,
0.3760

■ 45.4447, 0.4512,
0.3807


■ 27.0122, 0.5863,
0.3727


■ 51.9018, 0.4188,
0.3727

■ 59.2722, 0.3896,
0.3635

■ 67.5918, 0.3642,
0.3537

 76.8944, 0.3423,
0.3441

 87.2118, 0.3236,
0.3349

 98.4329, 0.3090,
0.3283

 98.8750, 0.3090,
0.3290

Harmonies

Analogous

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



35.1125, 0.5018, 0.3168



35.1125, 0.5207, 0.3877



35.1125, 0.4743, 0.4621

Triad

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



35.1125, 0.5207, 0.3877



35.1125, 0.2052, 0.4205



35.1125, 0.2120, 0.1784

Complementary

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



35.1125, 0.5207, 0.3877



41.1762, 0.2062, 0.2388

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.



35.1125, 0.1585, 0.1805



35.1125, 0.5207, 0.3877



35.1125, 0.1527, 0.2975

Square

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



35.1125, 0.5207, 0.3877



35.1125, 0.2924, 0.5184



35.1125, 0.1390, 0.2162



35.1125, 0.3022, 0.2039

Rectangle

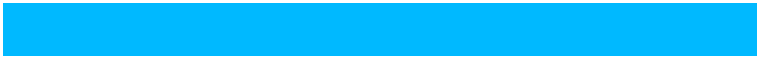
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1125, 0.5207, 0.3877



35.1125, 0.4208, 0.5063



35.1125, 0.1390, 0.2162



35.1125, 0.1901, 0.1759

Sweetspot

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



35.1144, 0.5207, 0.3877



74.8524, 0.3557, 0.3502



26.5451, 0.4004, 0.2168



15.2866, 0.3640, 0.3537



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.



35.1144, 0.5207, 0.3877



30.9588, 0.5677, 0.3805



71.8001, 0.4317, 0.4733



18.2215, 0.3285, 0.3374



14.7029, 0.5834, 0.3750



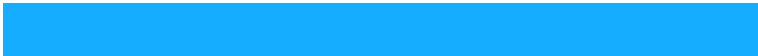
1.5525, 0.5606, 0.3931

Inverse Universe

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



41.1762, 0.2062, 0.2388



37.1337, 0.1950, 0.2179



14.4983, 0.1737, 0.1133



18.5233, 0.2980, 0.3205



17.6979, 0.1916, 0.2097



1.8380, 0.1960, 0.2256

Previews

White Background



This preview shows how the Yxy color 35.1125, 0.5207, 0.3877 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 35.1125, 0.5207, 0.3877 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 35.1125, 0.5207, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 35.1125, 0.5207, 0.3877.



This preview shows how white text looks on a background with the Yxy color 35.1125, 0.5207, 0.3877.

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

35.1125, 0.5207, 0.3877

Protanopia

35.3721, 0.4115, 0.4528

Deuteranopia

35.1043, 0.4549, 0.4449



Tritanopia

35.1587, 0.4605, 0.3213

Trichromacy



Original Color

35.1125, 0.5207, 0.3877

Protanomaly

34.3873, 0.4531, 0.4278

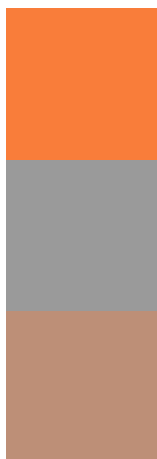
Deuteranomaly

34.5085, 0.4802, 0.4224

Tritanomaly

35.1236, 0.4868, 0.3491

Monochromacy



Original Color

35.1125, 0.5207, 0.3877

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7956, 0.3892, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1125, 0.5207, 0.3877 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(249, 125, 58)` looks like.

```
.text, #text, p{  
    color:rgb(249, 125, 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(249, 125, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 125, 58) }
```

Border

The CSS property to change the border of an element to Yxy 35.1125, 0.5207, 0.3877 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(249, 125, 58) }
```

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

```
.border{ border-color:rgb(249, 125, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 125, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 125, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 125, 58);  
box-shadow:4px 4px 4px 4px rgb(249, 125,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1125, 0.5207, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 125, 58) }
```

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

```
.background{ background-color: rgb(249,  
125, 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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