

Converting Colors

$Y_{xy}(35.1211, 0.5450, 0.3962)$

Have a look what the booklet for
Yxy(35.1211, 0.5450, 0.3962)
contains.

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Color

Yxy(35.0093, 0.5456, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	FF791A
RGB	255, 121, 26
RGB Percent	100%, 47%, 10%
CMY	0.0000, 0.5255, 0.8978
CMYK	0.00, 0.53, 0.90, 0.00
HSL	25°, 100%, 55%
HSV	25°, 90%, 100%
XYZ	48.2716, 35.0093, 5.1934
YIQ	150.2360, 110.3590, -1.1370

Conversions

Conversions Part 2

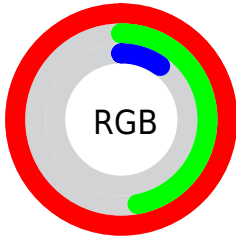
Format	Color
R _Y B	255, 188, 26
Decimal	16742682
CIE Lab	65.76, 46.53, 68.43
CIE LCh	66, 82.746, 55.787
Yxy	35.0093, 0.5456, 0.3957
Android (android.graphics.Color)	4294932762 (0xFFFF791A)
YUV	150.2360, -61.2483, 91.8780
Hunter-Lab	59.1687, 42.0806, 36.2140

Details

The Yxy color **35.0093, 0.5456, 0.3957** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **32.6051, 0.1906, 0.2001**, and the grayscale version is **30.8336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9352, 0.4608, 0.4182**, and **15.0814, 0.5816, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **31.5817, 0.5683, 0.3868**, and if you desaturate by 10%, it is **39.0877, 0.5178, 0.3997**.

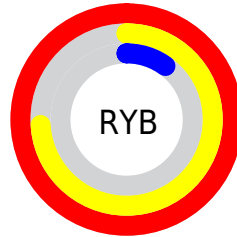
Distribution



Red (100%)

Green (47%)

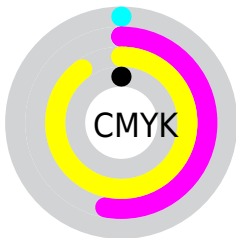
Blue (10%)



Red (100%)

Yellow (74%)

Blue (10%)

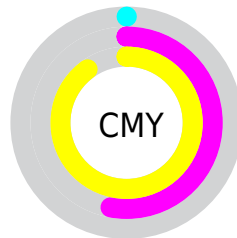


Cyan (0%)

Magenta (53%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0093, 0.5456, 0.3957 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 35.0093, 0.5456, 0.3957 by changing the saturation by 10% instead.


 35.0093, 0.5456,
0.3957


 35.0093, 0.5456,
0.3957


324.6094, 0.4329,
0.3793


 23.6700, 0.5688,
0.3930


 67.5002, 0.5077,
0.3947


 15.0890, 0.5951,
0.3862


 89.4206, 0.4924,
0.3929


 8.8819, 0.6266,
0.3734


 115.6368, 0.4791,
0.3907

 4.6642, 0.6545,
0.3455

 146.5333, 0.4674,
0.3883

 2.0516, 0.6957,
0.3043

 182.4944, 0.4572,
0.3860

 0.6372, 0.7672,
0.2328

 223.9045, 0.4481,

 0.0000, 1.0000,

0.3836

0.0000

271.1480, 0.4401,
0.3814

■ 0.0000, 0.0000,
0.0000

■ 35.0093, 0.5456,
0.3957

■ 35.0093, 0.5456,
0.3957

■ 31.5817, 0.5683,
0.3868

■ 39.0877, 0.5178,
0.3997

■ 31.5138, 0.5688,
0.3866

■ 43.8781, 0.4867,
0.3983

■ 49.4177, 0.4548,
0.3925

■ 55.7426, 0.4240,
0.3836

■ 62.8862, 0.3956,
0.3730

70.8795, 0.3703,
0.3617

79.7518, 0.3481,
0.3502

89.5307, 0.3289,
0.3392

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



35.0093, 0.5383, 0.3185



35.0093, 0.5456, 0.3957



35.0093, 0.4815, 0.4812

Triad

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



35.0093, 0.5456, 0.3957



35.0093, 0.1793, 0.4200



35.0093, 0.2065, 0.1623

Complementary

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



35.0093, 0.5456, 0.3957



32.6051, 0.1906, 0.2001

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.



35.0093, 0.1445, 0.1602



35.0093, 0.5456, 0.3957



35.0093, 0.1287, 0.2762

Square

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



35.0093, 0.5456, 0.3957



35.0093, 0.2726, 0.5480



35.0093, 0.1197, 0.1927



35.0093, 0.3124, 0.1930

Rectangle

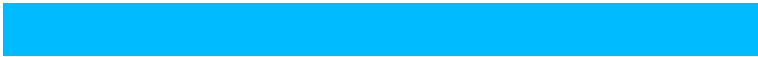
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.0093, 0.5456, 0.3957



35.0093, 0.4171, 0.5349



35.0093, 0.1197, 0.1927



35.0093, 0.1812, 0.1583

Sweetspot

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



35.0063, 0.5456, 0.3957



73.2592, 0.3638, 0.3585



24.6606, 0.4388, 0.2242



15.0576, 0.3718, 0.3624



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.



35.0063, 0.5456, 0.3957



31.5138, 0.5688, 0.3866



79.1074, 0.4341, 0.4884



19.2244, 0.3284, 0.3389



16.7445, 0.5659, 0.3889



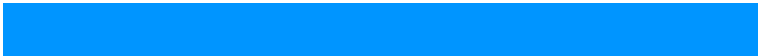
1.8398, 0.5455, 0.4051

Inverse Universe

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



32.6051, 0.1906, 0.2001



28.7985, 0.1845, 0.1843



9.6326, 0.1570, 0.0773



19.1448, 0.2979, 0.3189



15.3494, 0.1852, 0.1868



1.7102, 0.1902, 0.2046

Previews

White Background



This preview shows how the Yxy color 35.0093, 0.5456, 0.3957 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 35.0093, 0.5456, 0.3957 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 35.0093, 0.5456, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 35.0093, 0.5456, 0.3957.



This preview shows how white text looks on a background with the Yxy color 35.0093, 0.5456, 0.3957.

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

35.0093, 0.5456, 0.3957

Protanopia

35.3266, 0.4304, 0.4766

Deuteranopia

35.0130, 0.4714, 0.4639



Tritanopia

34.9266, 0.4699, 0.3226

Trichromacy



Original Color

35.0093, 0.5456, 0.3957

Protanomaly

33.9330, 0.4756, 0.4448

Deuteranomaly

34.4416, 0.5008, 0.4378

Tritanomaly

34.6707, 0.5079, 0.3571

Monochromacy



Original Color

35.0093, 0.5456, 0.3957

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.1765, 0.4056, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0093, 0.5456, 0.3957 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(255, 121, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 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(255, 121, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 26) }
```

Border

The CSS property to change the border of an element to Yxy 35.0093, 0.5456, 0.3957 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(255, 121, 26) }
```

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

```
.border{ border-color:rgb(255, 121, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
26) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 35.0093, 0.5456, 0.3957$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 26) }
```

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

```
.background{ background-color: rgb(255,  
121, 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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