

Converting Colors

$Y_{xy}(35.5848, 0.5405, 0.4090)$

Have a look what the booklet for
Yxy(35.5848, 0.5405, 0.4090)
contains.

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Color

Yxy(35.5027, 0.5411, 0.4086)

Conversions

Conversions Part 1

Format	Color
Hex	FA7F00
RGB	250, 127, 0
RGB Percent	98%, 50%, 0%
CMY	0.0196, 0.5019, 1.0000
CMYK	0.00, 0.49, 1.00, 0.02
HSL	30°, 100%, 49%
HSV	30°, 100%, 98%
XYZ	47.0154, 35.5027, 4.3705
YIQ	149.2990, 114.0750, -13.4210

Conversions

Conversions Part 2

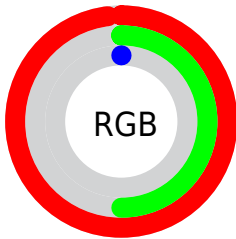
Format	Color
R_{YB}	242, 250, 0
Decimal	16416512
CIE _{Lab}	66.14, 41.39, 73.14
CIE _{LCh}	66, 84.037, 60.496
Yxy	35.5027, 0.5411, 0.4086
Android (android.graphics.Color)	4294606592 (0xFFFA7F00)
YUV	149.2990, -73.6044, 88.3148
Hunter-Lab	59.5841, 36.5749, 37.3600

Details

The Yxy color **35.5027, 0.5411, 0.4086** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **21.0699, 0.1756, 0.1520**, and the grayscale version is **30.4693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7756, 0.4629, 0.4303**, and **15.4713, 0.5688, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **35.5049, 0.5411, 0.4086**, and if you desaturate by 10%, it is **38.9489, 0.5217, 0.4157**.

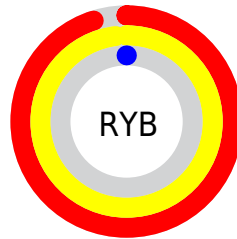
Distribution



Red (98%)

Green (50%)

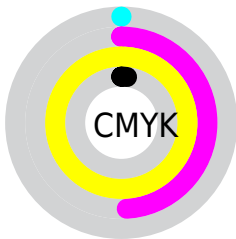
Blue (0%)



Red (95%)

Yellow (98%)

Blue (0%)

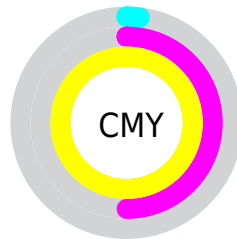


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5027, 0.5411, 0.4086 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 35.5027, 0.5411, 0.4086 by changing the saturation by 10% instead.


 35.5027, 0.5411,
0.4086


 35.5027, 0.5411,
0.4086


326.7817, 0.4328,
0.3869


 24.0504, 0.5624,
0.4067


 68.2638, 0.5055,
0.4062


 15.3710, 0.5870,
0.4013


 90.3414, 0.4908,
0.4036

 9.0802, 0.6121,
0.3879


 116.7295, 0.4780,
0.4007

 4.7935, 0.6376,
0.3624

 147.8125, 0.4666,
0.3978

 2.1266, 0.6756,
0.3244

 183.9748, 0.4566,
0.3949


 0.6795, 0.7413,
0.2587

 225.6009, 0.4478,

 0.0000, 1.0000,

0.3921


0.0000


 273.0750, 0.4399,
0.3894


 0.0000, 0.0000,
0.0000


 35.5027, 0.5411,
0.4086

 35.5027, 0.5411,
0.4086


 35.5049, 0.5411,
0.4086

 38.9489, 0.5217,
0.4157

 42.8839, 0.4985,
0.4178

 47.3502, 0.4722,
0.4144

 52.3767, 0.4448,
0.4066

 57.9890, 0.4177,
0.3956

■ 64.2105, 0.3921,
0.3827

■ 71.0630, 0.3686,
0.3690

■ 78.5667, 0.3476,
0.3552

■ 86.7410, 0.3290,
0.3417

Harmonies

Analogous

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



35.5027, 0.5477, 0.3297



35.5027, 0.5411, 0.4086



35.5027, 0.4681, 0.4956

Triad

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



35.5027, 0.5411, 0.4086



35.5027, 0.1668, 0.3957



35.5027, 0.2193, 0.1641

Complementary

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



35.5027, 0.5411, 0.4086



21.0699, 0.1756, 0.1520

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.



35.5027, 0.1503, 0.1572



35.5027, 0.5411, 0.4086



35.5027, 0.1234, 0.2579

Square

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



35.5027, 0.5411, 0.4086



35.5027, 0.2551, 0.5374



35.5027, 0.1201, 0.1834



35.5027, 0.3326, 0.1992

Rectangle

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



35.5027, 0.5411, 0.4086



35.5027, 0.4008, 0.5470



35.5027, 0.1201, 0.1834



35.5027, 0.1914, 0.1585

Sweetspot

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



35.5049, 0.5411, 0.4086



74.3068, 0.3687, 0.3690



21.8063, 0.4999, 0.2528



15.2399, 0.3783, 0.3749



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.



35.5049, 0.5411, 0.4086



37.1028, 0.5412, 0.4085



88.7017, 0.4193, 0.5053



18.6829, 0.3281, 0.3411



19.1204, 0.5386, 0.4106



1.9831, 0.5205, 0.4249

Inverse Universe

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



21.0699, 0.1756, 0.1520



22.0043, 0.1755, 0.1518



6.9026, 0.1500, 0.0600



18.0533, 0.2980, 0.3166



11.4620, 0.1764, 0.1549



1.2732, 0.1824, 0.1767

Previews

White Background



This preview shows how the Yxy color 35.5027, 0.5411, 0.4086 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 35.5027, 0.5411, 0.4086 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 35.5027, 0.5411, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 35.5027, 0.5411, 0.4086.



This preview shows how white text looks on a background with the Yxy color 35.5027, 0.5411, 0.4086.

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

35.5027, 0.5411, 0.4086

Protanopia

35.8437, 0.4362, 0.4832

Deuteranopia

35.6198, 0.4721, 0.4633



Tritanopia

35.5341, 0.4624, 0.3214

Trichromacy



Original Color

35.5027, 0.5411, 0.4086

Protanomaly

34.7920, 0.4776, 0.4545

Deuteranomaly

35.3187, 0.4985, 0.4424

Tritanomaly

35.1366, 0.5097, 0.3670

Monochromacy



Original Color

35.5027, 0.5411, 0.4086

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.3151, 0.4127, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5027, 0.5411, 0.4086 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(250, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 127, 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(250, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.5027, 0.5411, 0.4086 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(250, 127, 0) }
```

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

```
.border{ border-color:rgb(250, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 127,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5027, 0.5411, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 127, 0) }
```

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

```
.background{ background-color: rgb(250,  
127, 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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