

Converting Colors

$Y_{xy}(35.4860, 0.5480, 0.4020)$

Have a look what the booklet for
Yxy(35.4860, 0.5480, 0.4020)
contains.

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Color

Yxy(35.4347, 0.5482, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	FF7B04
RGB	255, 123, 4
RGB Percent	100%, 48%, 2%
CMY	0.0000, 0.5176, 0.9838
CMYK	0.00, 0.52, 0.98, 0.00
HSL	28°, 100%, 51%
HSV	28°, 98%, 100%
XYZ	48.3457, 35.4347, 4.4095
YIQ	148.9020, 116.8710, -9.0250

Conversions

Conversions Part 2

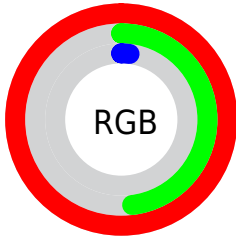
Format	Color
R_{YB}	255, 230, 4
Decimal	16743172
CIE Lab	66.09, 45.31, 72.85
CIE LCh	66, 85.786, 58.119
Yxy	35.4347, 0.5482, 0.4018
Android (android.graphics.Color)	4294933252 (0xFFFF7B04)
YUV	148.9020, -71.4367, 93.0479
Hunter-Lab	59.5271, 40.7988, 37.2770

Details

The Yxy color **35.4347, 0.5482, 0.4018** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **24.8865, 0.1797, 0.1661**, and the grayscale version is **30.2881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5818, 0.4650, 0.4269**, and **15.3275, 0.5787, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **34.8958, 0.5514, 0.4004**, and if you desaturate by 10%, it is **39.0794, 0.5270, 0.4092**.

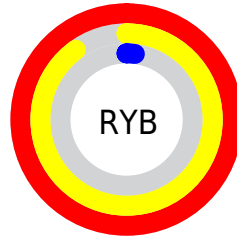
Distribution



Red (100%)

Green (48%)

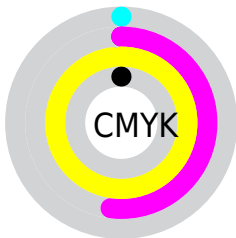
Blue (2%)



Red (100%)

Yellow (90%)

Blue (2%)

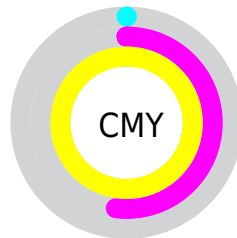


Cyan (0%)

Magenta (52%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4347, 0.5482, 0.4018 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 35.4347, 0.5482, 0.4018 by changing the saturation by 10% instead.


 35.4347, 0.5482,
0.4018


 35.4347, 0.5482,
0.4018


326.4829, 0.4362,
0.3842

 23.9979, 0.5703,
0.3989

 68.1586, 0.5112,
0.4009

 15.3321, 0.5960,
0.3922


 90.2146, 0.4961,
0.3989


 9.0528, 0.6226,
0.3774


 116.5791, 0.4828,
0.3965

 4.7756, 0.6498,
0.3502

 147.6364, 0.4711,
0.3939

 2.1162, 0.6898,
0.3102

 183.7711, 0.4608,
0.3914


 0.6737, 0.7579,
0.2421


 225.3675, 0.4517,

 0.0000, 1.0000,

0.3889


0.0000


 272.8100, 0.4435,
0.3864


 0.0000, 0.0000,
0.0000


 35.4347, 0.5482,
0.4018


 35.4347, 0.5482,
0.4018

 34.8958, 0.5514,
0.4004

 39.0794, 0.5270,
0.4092

 43.2982, 0.5015,
0.4111

 48.1333, 0.4732,
0.4078

 53.6175, 0.4441,
0.4001

 59.7800, 0.4158,
0.3895

66.6481, 0.3895,
0.3773

74.2469, 0.3658,
0.3643

82.6001, 0.3447,
0.3514

91.7302, 0.3263,
0.3389

Harmonies

Analogous

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



35.4347, 0.5489, 0.3229



35.4347, 0.5482, 0.4018



35.4347, 0.4771, 0.4902

Triad

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



35.4347, 0.5482, 0.4018



35.4347, 0.1695, 0.4101



35.4347, 0.2104, 0.1600

Complementary

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



35.4347, 0.5482, 0.4018



24.8865, 0.1797, 0.1661

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.



35.4347, 0.1442, 0.1554



35.4347, 0.5482, 0.4018



35.4347, 0.1223, 0.2648

Square

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



35.4347, 0.5482, 0.4018



35.4347, 0.2618, 0.5500



35.4347, 0.1164, 0.1847



35.4347, 0.3223, 0.1934

Rectangle

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



35.4347, 0.5482, 0.4018



35.4347, 0.4096, 0.5452



35.4347, 0.1164, 0.1847



35.4347, 0.1834, 0.1552

Sweetspot

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



35.4366, 0.5482, 0.4018



72.9691, 0.3694, 0.3665



23.1821, 0.4822, 0.2437



14.9241, 0.3793, 0.3719



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.



35.4366, 0.5482, 0.4018



34.8958, 0.5514, 0.4004



87.5689, 0.4250, 0.5002



19.4068, 0.3282, 0.3403



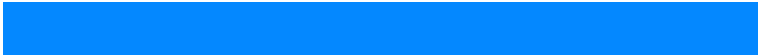
18.5278, 0.5487, 0.4025



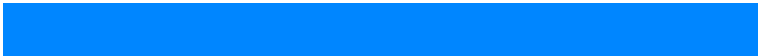
2.0208, 0.5302, 0.4172

Inverse Universe

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



24.8865, 0.1797, 0.1661



24.3145, 0.1787, 0.1634



7.5213, 0.1509, 0.0622



18.9596, 0.2979, 0.3174



13.0064, 0.1795, 0.1662



1.4853, 0.1850, 0.1860

Previews

White Background



This preview shows how the Yxy color 35.4347, 0.5482, 0.4018 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 35.4347, 0.5482, 0.4018 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 35.4347, 0.5482, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 35.4347, 0.5482, 0.4018.



This preview shows how white text looks on a background with the Yxy color 35.4347, 0.5482, 0.4018.

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

35.4347, 0.5482, 0.4018

Protanopia

35.4967, 0.4371, 0.4819

Deuteranopia

35.4790, 0.4712, 0.4641



Tritanopia

35.4378, 0.4663, 0.3225

Trichromacy



Original Color

35.4347, 0.5482, 0.4018

Protanomaly

34.4602, 0.4814, 0.4506

Deuteranomaly

34.8778, 0.5017, 0.4396

Tritanomaly

35.0328, 0.5130, 0.3647

Monochromacy



Original Color

35.4347, 0.5482, 0.4018

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.2921, 0.4146, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4347, 0.5482, 0.4018 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, 123, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 4)  
}
```

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, 123, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 4) }
```

Border

The CSS property to change the border of an element to Yxy 35.4347, 0.5482, 0.4018 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, 123, 4) }
```

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

```
.border{ border-color:rgb(255, 123, 4) }
```

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

Here you see how a box with a 4 pixel rgb(255, 123, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4347, 0.5482, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 4) }
```

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

```
.background{ background-color: rgb(255,  
123, 4) }
```

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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