

Converting Colors

$Y_{xy}(35.2518, 0.5491, 0.4012)$

Have a look what the booklet for
Yxy(35.2518, 0.5491, 0.4012)
contains.

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Color

Yxy(35.1878, 0.5494, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A04
RGB	255, 122, 4
RGB Percent	100%, 48%, 2%
CMY	0.0000, 0.5215, 0.9847
CMYK	0.00, 0.52, 0.98, 0.00
HSL	28°, 100%, 51%
HSV	28°, 98%, 100%
XYZ	48.2219, 35.1878, 4.3623
YIQ	148.3150, 117.1460, -8.5020

Conversions

Conversions Part 2

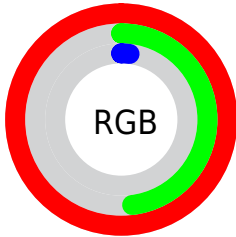
Format	Color
R _{YB}	255, 227, 4
Decimal	16742916
CIE Lab	65.89, 45.79, 72.76
CIE LCh	66, 85.972, 57.817
Yxy	35.1878, 0.5494, 0.4009
Android (android.graphics.Color)	4294932996 (0xFFFF7A04)
YUV	148.3150, -71.1473, 93.5627
Hunter-Lab	59.3193, 41.2977, 37.1634

Details

The Yxy color **35.1878, 0.5494, 0.4009** 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 **25.1080, 0.1800, 0.1672**, and the grayscale version is **30.0162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1853, 0.4659, 0.4260**, and **15.2034, 0.5802, 0.3775** is the 20% darker color. If you saturate the color by 10%, you get **34.6779, 0.5525, 0.3995**, and if you desaturate by 10%, it is **38.8222, 0.5281, 0.4084**.

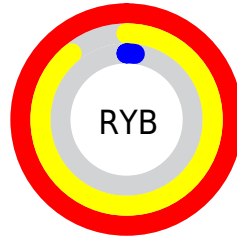
Distribution



Red (100%)

Green (48%)

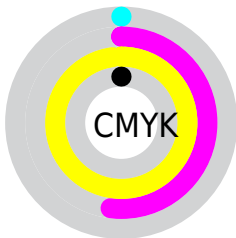
Blue (2%)



Red (100%)

Yellow (89%)

Blue (2%)

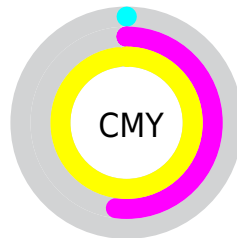


Cyan (0%)

Magenta (52%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1878, 0.5494, 0.4009 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 35.1878, 0.5494, 0.4009 by changing the saturation by 10% instead.


 35.1878, 0.5494,
0.4009

 35.1878, 0.5494,
0.4009


325.3965, 0.4367,
0.3838

 23.8076, 0.5717,
0.3978


 67.7766, 0.5122,
0.4002


 15.1909, 0.5976,
0.3909


 89.7540, 0.4969,
0.3983


 8.9535, 0.6243,
0.3757


 116.0325, 0.4836,
0.3960

 4.7109, 0.6519,
0.3481

 146.9966, 0.4718,
0.3935

 2.0786, 0.6925,
0.3075

 183.0306, 0.4614,
0.3909


 0.6526, 0.7624,
0.2376

 224.5190, 0.4522,


 0.0000, 1.0000,


0.3885


0.0000


 271.8462, 0.4440,
0.3861


 0.0000, 0.0000,
0.0000

 35.1878, 0.5494,
0.4009

 35.1878, 0.5494,
0.4009

 34.6779, 0.5525,
0.3995

 38.8222, 0.5281,
0.4084

 43.0359, 0.5024,
0.4105

 47.8714, 0.4739,
0.4072

 53.3617, 0.4447,
0.3997

 59.5368, 0.4163,
0.3892

66.4238, 0.3899,
0.3771

74.0484, 0.3660,
0.3642

82.4346, 0.3449,
0.3514

91.6050, 0.3264,
0.3390

Harmonies

Analogous

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



35.1878, 0.5494, 0.3220



35.1878, 0.5494, 0.4009



35.1878, 0.4784, 0.4896

Triad

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



35.1878, 0.5494, 0.4009



35.1878, 0.1697, 0.4121



35.1878, 0.2091, 0.1593

Complementary

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



35.1878, 0.5494, 0.4009



25.1080, 0.1800, 0.1672

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.



35.1878, 0.1432, 0.1549



35.1878, 0.5494, 0.4009



35.1878, 0.1219, 0.2656

Square

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



35.1878, 0.5494, 0.4009



35.1878, 0.2625, 0.5520



35.1878, 0.1157, 0.1847



35.1878, 0.3209, 0.1924

Rectangle

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



35.1878, 0.5494, 0.4009



35.1878, 0.4107, 0.5452



35.1878, 0.1157, 0.1847



35.1878, 0.1822, 0.1545

Sweetspot

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



35.1893, 0.5494, 0.4009



72.8316, 0.3695, 0.3662



23.1747, 0.4824, 0.2438



14.8917, 0.3794, 0.3716



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.



35.1893, 0.5494, 0.4009



34.6779, 0.5525, 0.3995



87.5641, 0.4250, 0.5002



19.3959, 0.3282, 0.3402



18.4132, 0.5498, 0.4017



2.0094, 0.5311, 0.4165

Inverse Universe

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



25.1080, 0.1800, 0.1672



24.5654, 0.1791, 0.1646



7.5149, 0.1509, 0.0622



18.9706, 0.2979, 0.3175



13.1377, 0.1798, 0.1674



1.4980, 0.1853, 0.1871

Previews

White Background



This preview shows how the Yxy color 35.1878, 0.5494, 0.4009 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 35.1878, 0.5494, 0.4009 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 35.1878, 0.5494, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 35.1878, 0.5494, 0.4009.



This preview shows how white text looks on a background with the Yxy color 35.1878, 0.5494, 0.4009.

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

35.1878, 0.5494, 0.4009

Protanopia

35.3754, 0.4360, 0.4827

Deuteranopia

35.1530, 0.4724, 0.4631



Tritanopia

35.1808, 0.4681, 0.3225

Trichromacy



Original Color

35.1878, 0.5494, 0.4009

Protanomaly

34.3147, 0.4805, 0.4513

Deuteranomaly

34.5815, 0.5029, 0.4386

Tritanomaly

34.7961, 0.5139, 0.3637

Monochromacy



Original Color

35.1878, 0.5494, 0.4009

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.8746, 0.4142, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1878, 0.5494, 0.4009 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, 122, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 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, 122, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 4) }
```

Border

The CSS property to change the border of an element to Yxy 35.1878, 0.5494, 0.4009 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, 122, 4) }
```

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

```
.border{ border-color:rgb(255, 122, 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, 122, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1878, 0.5494, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 4) }
```

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

```
.background{ background-color: rgb(255,  
122, 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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