

Converting Colors

Yxy(34.4846, 0.5553, 0.4022)

Have a look what the booklet for
Yxy(34.4846, 0.5553, 0.4022)
contains.

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Color

Yxy(34.5038, 0.5518, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	FE7800
RGB	254, 120, 0
RGB Percent	100%, 47%, 0%
CMY	0.0040, 0.5293, 1.0000
CMYK	0.00, 0.53, 1.00, 0.00
HSL	28°, 100%, 50%
HSV	28°, 100%, 100%
XYZ	47.5861, 34.5038, 4.1480
YIQ	146.3860, 118.3840, -8.9120

Conversions

Conversions Part 2

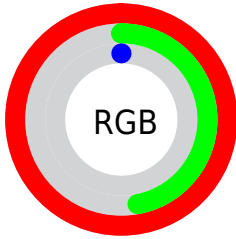
Format	Color
R_{YB}	254, 227, 0
Decimal	16676864
CIE Lab	65.36, 46.33, 72.98
CIE LCh	65, 86.446, 57.590
Yxy	34.5038, 0.5518, 0.4001
Android (android.graphics.Color)	4294866944 (0xFFFE7800)
YUV	146.3860, -72.1683, 94.3775
Hunter-Lab	58.7399, 41.8106, 36.9311

Details

The Yxy color **34.5038, 0.5518, 0.4001** 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 **24.1970, 0.1789, 0.1639**, and the grayscale version is **29.1802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3749, 0.4687, 0.4254**, and **14.8331, 0.5824, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **34.5060, 0.5518, 0.4001**, and if you desaturate by 10%, it is **38.0296, 0.5311, 0.4081**.

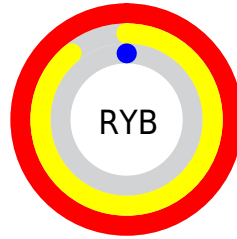
Distribution



Red (100%)

Green (47%)

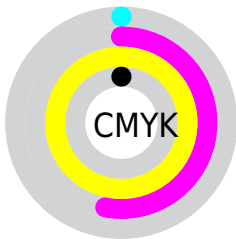
Blue (0%)



Red (100%)

Yellow (89%)

Blue (0%)

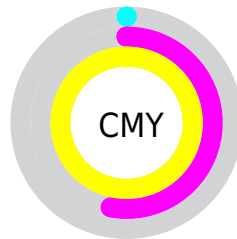


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5038, 0.5518, 0.4001 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 34.5038, 0.5518, 0.4001 by changing the saturation by 10% instead.


 34.5038, 0.5518,
0.4001


 34.5038, 0.5518,
0.4001


322.3727, 0.4378,
0.3838


 23.2809, 0.5743,
0.3966


 66.7164, 0.5142,
0.3998


 14.8011, 0.6009,
0.3895


 88.4748, 0.4988,
0.3980


 8.6799, 0.6270,
0.3730


 114.5139, 0.4852,
0.3958

 4.5330, 0.6553,
0.3447

 145.2180, 0.4733,
0.3933

 1.9759, 0.6971,
0.3029

 180.9715, 0.4628,
0.3908


 0.5934, 0.7726,
0.2274

 222.1589, 0.4535,


 0.0000, 1.0000,


0.3884


0.0000

 269.1645, 0.4452,
0.3860


 0.0000, 0.0000,
0.0000

 34.5038, 0.5518,
0.4001


 34.5038, 0.5518,
0.4001

 34.5060, 0.5518,
0.4001

 38.0296, 0.5311,
0.4081

 42.1150, 0.5061,
0.4109

 46.8075, 0.4780,
0.4084

 52.1402, 0.4488,
0.4014

 58.1429, 0.4203,
0.3912

64.8428, 0.3937,
0.3792

72.2653, 0.3695,
0.3663

80.4342, 0.3480,
0.3534

89.3719, 0.3291,
0.3409

Harmonies

Analogous

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



34.5038, 0.5517, 0.3208



34.5038, 0.5518, 0.4001



34.5038, 0.4801, 0.4897

Triad

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



34.5038, 0.5518, 0.4001



34.5038, 0.1686, 0.4144



34.5038, 0.2074, 0.1577

Complementary

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



34.5038, 0.5518, 0.4001



24.1970, 0.1789, 0.1639

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.



34.5038, 0.1414, 0.1535



34.5038, 0.5518, 0.4001



34.5038, 0.1205, 0.2655

Square

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



34.5038, 0.5518, 0.4001



34.5038, 0.2624, 0.5558



34.5038, 0.1141, 0.1836



34.5038, 0.3199, 0.1909

Rectangle

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



34.5038, 0.5518, 0.4001



34.5038, 0.4118, 0.5465



34.5038, 0.1141, 0.1836



34.5038, 0.1804, 0.1530

Sweetspot

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



34.5060, 0.5518, 0.4001



72.9167, 0.3695, 0.3663



22.8309, 0.4857, 0.2449



14.9118, 0.3794, 0.3718



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.



34.5060, 0.5518, 0.4001



34.8126, 0.5518, 0.4001



86.6899, 0.4254, 0.5005



19.4026, 0.3282, 0.3403



18.4841, 0.5491, 0.4022



2.0165, 0.5305, 0.4170

Inverse Universe

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



24.1970, 0.1789, 0.1639



24.4098, 0.1789, 0.1639



7.3388, 0.1504, 0.0614



18.9638, 0.2979, 0.3175



13.0563, 0.1796, 0.1667



1.4901, 0.1851, 0.1864

Previews

White Background



This preview shows how the Yxy color 34.5038, 0.5518, 0.4001 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 34.5038, 0.5518, 0.4001 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 34.5038, 0.5518, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 34.5038, 0.5518, 0.4001.



This preview shows how white text looks on a background with the Yxy color 34.5038, 0.5518, 0.4001.

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

34.5038, 0.5518, 0.4001

Protanopia

34.7872, 0.4351, 0.4833

Deuteranopia

34.5507, 0.4717, 0.4636



Tritanopia

34.4507, 0.4723, 0.3216

Trichromacy



Original Color

34.5038, 0.5518, 0.4001

Protanomaly

33.4071, 0.4814, 0.4509

Deuteranomaly

33.9718, 0.5027, 0.4391

Tritanomaly

34.2866, 0.5184, 0.3641

Monochromacy



Original Color

34.5038, 0.5518, 0.4001

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.9959, 0.4166, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5038, 0.5518, 0.4001 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(254, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 120, 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(254, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.5038, 0.5518, 0.4001 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(254, 120, 0) }
```

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

```
.border{ border-color:rgb(254, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5038, 0.5518, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 120, 0) }
```

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

```
.background{ background-color: rgb(254,  
120, 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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