

Converting Colors

$Y_{xy}(35.4486, 0.5388, 0.4087)$

Have a look what the booklet for
Yxy(35.4486, 0.5388, 0.4087)
contains.

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Color

Yxy(35.3316, 0.5394, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	F97F06
RGB	249, 127, 6
RGB Percent	98%, 50%, 2%
CMY	0.0236, 0.5019, 0.9759
CMYK	0.00, 0.49, 0.98, 0.02
HSL	30°, 95%, 50%
HSV	30°, 98%, 98%
XYZ	46.6876, 35.3316, 4.5355
YIQ	149.6840, 111.5530, -11.7670

Conversions

Conversions Part 2

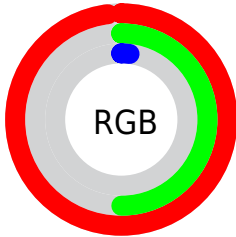
Format	Color
R_{YB}	249, 247, 6
Decimal	16350982
CIE _{Lab}	66.01, 41.04, 72.06
CIE _{LCh}	66, 82.925, 60.340
Yxy	35.3316, 0.5394, 0.4082
Android (android.graphics.Color)	4294541062 (0xFFFF97F06)
YUV	149.6840, -70.8362, 87.1001
Hunter-Lab	59.4404, 36.1825, 37.0843

Details

The Yxy color **35.3316, 0.5394, 0.4082** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark saturated orange. A complement of this color would be **22.3519, 0.1781, 0.1598**, and the grayscale version is **30.6381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8022, 0.4618, 0.4290**, and **15.3464, 0.5681, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **34.5335, 0.5441, 0.4062**, and if you desaturate by 10%, it is **38.8533, 0.5188, 0.4146**.

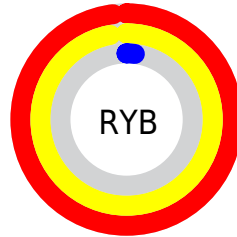
Distribution



Red (98%)

Green (50%)

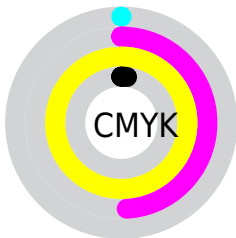
Blue (2%)



Red (98%)

Yellow (97%)

Blue (2%)

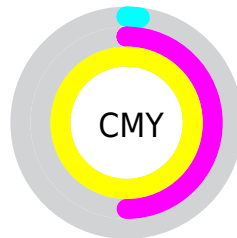


Cyan (0%)

Magenta (49%)

Yellow (98%)

Black (2%)



Cyan (2%)


Magenta (50%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3316, 0.5394, 0.4082 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 35.3316, 0.5394, 0.4082 by changing the saturation by 10% instead.


 35.3316, 0.5394,
0.4082


 35.3316, 0.5394,
0.4082


326.0296, 0.4314,
0.3862

 23.9184, 0.5608,
0.4065


 67.9992, 0.5037,
0.4055

 15.2731, 0.5854,
0.4013


 90.0223, 0.4891,
0.4029

 9.0113, 0.6115,
0.3885


 116.3509, 0.4763,
0.4000

 4.7485, 0.6369,
0.3631

 147.3694, 0.4650,
0.3970

 2.1005, 0.6749,
0.3251

 183.4621, 0.4551,
0.3941

 0.6649, 0.7416,
0.2584

 225.0134, 0.4463,


 0.0000, 1.0000,


0.3913


0.0000


 272.4078, 0.4384,
0.3887

 0.0000, 0.0000,
0.0000

 35.3316, 0.5394,
0.4082


 35.3316, 0.5394,
0.4082

 34.5335, 0.5441,
0.4062

 38.8533, 0.5188,
0.4146

 42.8882, 0.4942,
0.4155

 47.4722, 0.4669,
0.4111

 52.6338, 0.4390,
0.4026

 58.3985, 0.4118,
0.3913

■ 64.7898, 0.3864,
0.3784

■ 71.8296, 0.3634,
0.3648

■ 79.5384, 0.3428,
0.3513

■ 87.9357, 0.3248,
0.3383

Harmonies

Analogous

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



35.3316, 0.5450, 0.3298



35.3316, 0.5394, 0.4082



35.3316, 0.4678, 0.4942

Triad

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



35.3316, 0.5394, 0.4082



35.3316, 0.1687, 0.3958



35.3316, 0.2198, 0.1653

Complementary

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



35.3316, 0.5394, 0.4082



22.3519, 0.1781, 0.1598

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.



35.3316, 0.1514, 0.1587



35.3316, 0.5394, 0.4082



35.3316, 0.1251, 0.2595

Square

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



35.3316, 0.5394, 0.4082



35.3316, 0.2566, 0.5351



35.3316, 0.1215, 0.1851



35.3316, 0.3319, 0.2001

Rectangle

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



35.3316, 0.5394, 0.4082



35.3316, 0.4012, 0.5448



35.3316, 0.1215, 0.1851



35.3316, 0.1922, 0.1598

Sweetspot

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



35.3335, 0.5394, 0.4082



74.6655, 0.3667, 0.3669



21.9272, 0.4870, 0.2468



15.2935, 0.3764, 0.3727



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.



35.3335, 0.5394, 0.4082



36.4159, 0.5443, 0.4060



85.4221, 0.4219, 0.5024



18.6523, 0.3281, 0.3408



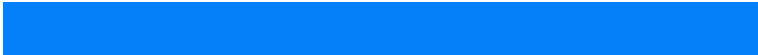
18.7707, 0.5416, 0.4082



1.9504, 0.5231, 0.4229

Inverse Universe

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



22.3519, 0.1781, 0.1598



22.6814, 0.1765, 0.1553



7.1002, 0.1510, 0.0620



18.0838, 0.2980, 0.3169



11.8069, 0.1773, 0.1583



1.3056, 0.1833, 0.1798

Previews

White Background



This preview shows how the Yxy color 35.3316, 0.5394, 0.4082 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 35.3316, 0.5394, 0.4082 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 35.3316, 0.5394, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 35.3316, 0.5394, 0.4082.



This preview shows how white text looks on a background with the Yxy color 35.3316, 0.5394, 0.4082.

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

35.3316, 0.5394, 0.4082

Protanopia

35.3714, 0.4363, 0.4831

Deuteranopia

35.4790, 0.4712, 0.4641



Tritanopia

35.3459, 0.4615, 0.3214

Trichromacy



Original Color

35.3316, 0.5394, 0.4082

Protanomaly

34.6541, 0.4762, 0.4547

Deuteranomaly

35.1665, 0.4973, 0.4427

Tritanomaly

34.9794, 0.5070, 0.3657

Monochromacy



Original Color

35.3316, 0.5394, 0.4082

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.6669, 0.4089, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3316, 0.5394, 0.4082 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(249, 127, 6)` looks like.

```
.text, #text, p{  
    color:rgb(249, 127, 6)  
}
```

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(249, 127, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 127, 6) }
```

Border

The CSS property to change the border of an element to Yxy 35.3316, 0.5394, 0.4082 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(249, 127, 6) }
```

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

```
.border{ border-color:rgb(249, 127, 6) }
```

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

Here you see how a box with a 4 pixel rgb(249, 127, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 127, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 127, 6);  
box-shadow:4px 4px 4px 4px rgb(249, 127,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3316, 0.5394, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 127, 6) }
```

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

```
.background{ background-color: rgb(249,  
127, 6) }
```

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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