

Converting Colors

$Y_{xy}(35.1552, 0.5311, 0.4165)$

Have a look what the booklet for
Yxy(35.1552, 0.5311, 0.4165)
contains.

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Color

Yxy(35.1098, 0.5309, 0.4167)

Conversions

Conversions Part 1

Format	Color
Hex	F28300
RGB	242, 131, 0
RGB Percent	95%, 51%, 0%
CMY	0.0510, 0.4862, 1.0000
CMYK	0.00, 0.46, 1.00, 0.05
HSL	32°, 100%, 47%
HSV	32°, 100%, 95%
XYZ	44.7319, 35.1098, 4.4151
YIQ	149.2550, 108.2070, -17.2090

Conversions

Conversions Part 2

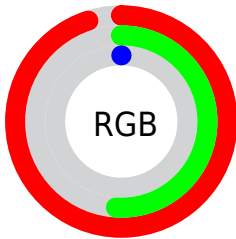
Format	Color
R_{YB}	205, 242, 0
Decimal	15893248
CIE Lab	65.83, 36.19, 72.38
CIE LCh	66, 80.926, 63.436
Yxy	35.1098, 0.5309, 0.4167
Android (android.graphics.Color)	4294083328 (0xFFFF28300)
YUV	149.2550, -73.5827, 81.3374
Hunter-Lab	59.2535, 31.0603, 37.0597

Details

The Yxy color **35.1098, 0.5309, 0.4167** 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 **17.7748, 0.1726, 0.1413**, and the grayscale version is **30.4521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4258, 0.4595, 0.4339**, and **15.3210, 0.5558, 0.3969** is the 20% darker color. If you saturate the color by 10%, you get **35.1120, 0.5309, 0.4167**, and if you desaturate by 10%, it is **38.3217, 0.5128, 0.4229**.

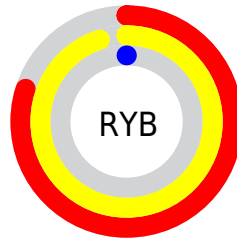
Distribution



Red (95%)

Green (51%)

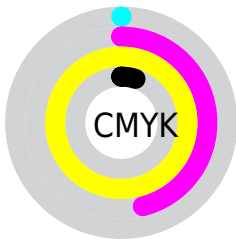
Blue (0%)



Red (80%)

Yellow (95%)

Blue (0%)

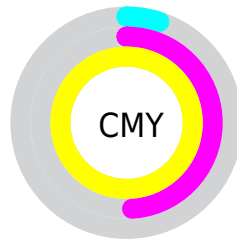


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1098, 0.5309, 0.4167 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 35.1098, 0.5309, 0.4167 by changing the saturation by 10% instead.

 35.1098, 0.5309,
0.4167


 35.1098, 0.5309,
0.4167


325.0527, 0.4273,
0.3896

 23.7475, 0.5512,
0.4163


 67.6558, 0.4968,
0.4121


 15.1464, 0.5747,
0.4127


 89.6083, 0.4828,
0.4088

 8.9222, 0.5986,
0.4014


 115.8596, 0.4705,
0.4053

 4.6905, 0.6220,
0.3780

 146.7942, 0.4596,
0.4018

 2.0668, 0.6573,
0.3427

 182.7964, 0.4501,
0.3985


 0.6459, 0.7226,
0.2774


 224.2506, 0.4416,


 0.0000, 1.0000,


0.3954


0.0000


 271.5413, 0.4341,
0.3924

 0.0000, 0.0000,
0.0000


 35.1098, 0.5309,
0.4167


 35.1098, 0.5309,
0.4167


 35.1120, 0.5309,
0.4167

 38.3217, 0.5128,
0.4229

 41.9435, 0.4912,
0.4241

 46.0125, 0.4667,
0.4199

 50.5530, 0.4408,
0.4114

 55.5863, 0.4151,
0.3996

■ 61.1322, 0.3905,
0.3860

■ 67.2086, 0.3677,
0.3714

■ 73.8325, 0.3472,
0.3568

■ 81.0199, 0.3289,
0.3425

Harmonies

Analogous

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



35.1098, 0.5438, 0.3383



35.1098, 0.5309, 0.4167



35.1098, 0.4566, 0.5008

Triad

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



35.1098, 0.5309, 0.4167



35.1098, 0.1650, 0.3787



35.1098, 0.2311, 0.1701

Complementary

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



35.1098, 0.5309, 0.4167



17.7748, 0.1726, 0.1413

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.



35.1098, 0.1591, 0.1607



35.1098, 0.5309, 0.4167



35.1098, 0.1261, 0.2510

Square

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



35.1098, 0.5309, 0.4167



35.1098, 0.2479, 0.5196



35.1098, 0.1258, 0.1832



35.1098, 0.3449, 0.2073

Rectangle

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



35.1098, 0.5309, 0.4167



35.1098, 0.3900, 0.5467



35.1098, 0.1258, 0.1832



35.1098, 0.2023, 0.1638

Sweetspot

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



35.1120, 0.5309, 0.4167



75.6371, 0.3679, 0.3716



20.0666, 0.5139, 0.2604



15.5547, 0.3773, 0.3778



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.



35.1120, 0.5309, 0.4167



39.4527, 0.5312, 0.4164



80.9798, 0.4134, 0.5099



17.1767, 0.3280, 0.3418



19.1406, 0.5285, 0.4185



1.7911, 0.5102, 0.4331

Inverse Universe

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



17.7748, 0.1726, 0.1413



19.9298, 0.1725, 0.1408



6.4624, 0.1507, 0.0604



16.4232, 0.2980, 0.3159



9.8157, 0.1734, 0.1443



1.0133, 0.1804, 0.1693

Previews

White Background



This preview shows how the Yxy color 35.1098, 0.5309, 0.4167 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 35.1098, 0.5309, 0.4167 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 35.1098, 0.5309, 0.4167

Background



This preview shows how black text looks on a background with the Yxy color 35.1098, 0.5309, 0.4167.



This preview shows how white text looks on a background with the Yxy color 35.1098, 0.5309, 0.4167.

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

35.1098, 0.5309, 0.4167

Protanopia

35.3640, 0.4368, 0.4838

Deuteranopia

35.1530, 0.4724, 0.4631



Tritanopia

35.1236, 0.4477, 0.3210

Trichromacy



Original Color

35.1098, 0.5309, 0.4167

Protanomaly

34.5383, 0.4728, 0.4586

Deuteranomaly

34.6982, 0.4950, 0.4451

Tritanomaly

34.7042, 0.4969, 0.3704

Monochromacy



Original Color

35.1098, 0.5309, 0.4167

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.2395, 0.4086, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1098, 0.5309, 0.4167 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(242, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 131, 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(242, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 131, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.1098, 0.5309, 0.4167 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(242, 131, 0) }
```

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

```
.border{ border-color:rgb(242, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 131,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1098, 0.5309, 0.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 131, 0) }
```

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

```
.background{ background-color: rgb(242,  
131, 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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