

Converting Colors

$Y_{xy}(35.0638, 0.4881, 0.4105)$

Have a look what the booklet for
Yxy(35.0638, 0.4881, 0.4105)
contains.

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Color

Yxy(35.1119, 0.4876, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	E38B3B
RGB	227, 139, 59
RGB Percent	89%, 55%, 23%
CMY	0.1097, 0.4549, 0.7686
CMYK	0.00, 0.39, 0.74, 0.11
HSL	29°, 75%, 56%
HSV	29°, 74%, 89%
XYZ	41.7066, 35.1119, 8.7160
YIQ	156.1920, 78.1280, -6.2240

Conversions

Conversions Part 2

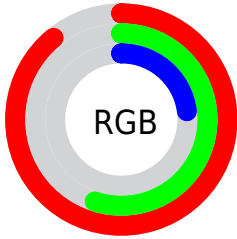
Format	Color
R _Y B	227, 212, 59
Decimal	14912315
CIE Lab	65.84, 27.21, 54.90
CIE LCh	66, 61.274, 63.637
Yxy	35.1119, 0.4876, 0.4105
Android (android.graphics.Color)	4293102395 (0xFFE38B3B)
YUV	156.1920, -47.9157, 62.0986
Hunter-Lab	59.2553, 21.9398, 32.7576

Details

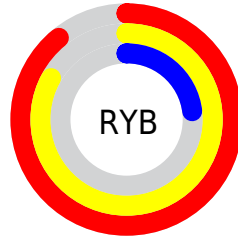
The Yxy color **35.1119, 0.4876, 0.4105** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.3539, 0.2008, 0.2103**, and the grayscale version is **33.5286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5476, 0.4294, 0.4115**, and **15.0864, 0.5308, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **31.6682, 0.5145, 0.4113**, and if you desaturate by 10%, it is **39.0363, 0.4589, 0.4049**.

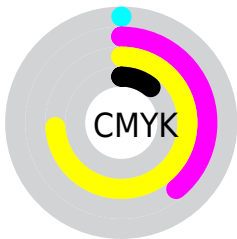
Distribution



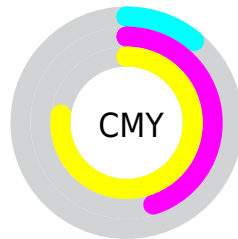
- Red (89%)
- Green (55%)
- Blue (23%)



- Red (89%)
- Yellow (83%)
- Blue (23%)



- Cyan (0%)
- Magenta (39%)
- Yellow (74%)
- Black (11%)





- Cyan (11%)
- Magenta (45%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1119, 0.4876, 0.4105 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 35.1119, 0.4876, 0.4105 by changing the saturation by 10% instead.


 35.1119, 0.4876,
0.4105


 35.1119, 0.4876,
0.4105


325.0620, 0.4000,
0.3777


 23.7491, 0.5074,
0.4147


 67.6591, 0.4568,
0.4013

 15.1476, 0.5309,
0.4173


 89.6122, 0.4449,
0.3970

 8.9230, 0.5601,
0.4174


 115.8643, 0.4346,
0.3930

 4.6910, 0.5917,
0.4083

 146.7997, 0.4258,
0.3893

 2.0671, 0.6205,
0.3795

 182.8027, 0.4180,
0.3860

 0.6460, 0.6776,
0.3224

 224.2579, 0.4113,

 0.0000, 1.0000,

0.3829

0.0000

271.5495, 0.4053,
0.3802

■ 0.0000, 0.0000,
0.0000

■ 35.1119, 0.4876,
0.4105

■ 35.1119, 0.4876,
0.4105

■ 31.6682, 0.5145,
0.4113

■ 39.0363, 0.4589,
0.4049

■ 28.6736, 0.5376,
0.4066


■ 43.4593, 0.4304,
0.3957


■ 27.0776, 0.5497,
0.4017


■ 48.4036, 0.4032,
0.3842

■ 53.8890, 0.3782,
0.3716

■ 59.9336, 0.3559,
0.3586

 66.5548, 0.3362,
0.3458

 73.7691, 0.3190,
0.3337

 81.5920, 0.3040,
0.3223

 89.4913, 0.2957,
0.3199

Harmonies

Analogous

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



35.1119, 0.4911, 0.3446



35.1119, 0.4876, 0.4105



35.1119, 0.4342, 0.4723

Triad

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



35.1119, 0.4876, 0.4105



35.1119, 0.1975, 0.3679



35.1119, 0.2504, 0.2000

Complementary

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



35.1119, 0.4876, 0.4105



27.3539, 0.2008, 0.2103

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.



35.1119, 0.1893, 0.1927



35.1119, 0.4876, 0.4105



35.1119, 0.1619, 0.2722

Square

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



35.1119, 0.4876, 0.4105



35.1119, 0.2668, 0.4663



35.1119, 0.1601, 0.2143



35.1119, 0.3400, 0.2318

Rectangle

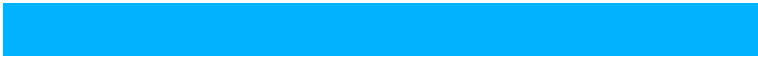
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1119, 0.4876, 0.4105



35.1119, 0.3821, 0.4992



35.1119, 0.1601, 0.2143



35.1119, 0.2264, 0.1947

Sweetspot

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



35.1137, 0.4876, 0.4105



79.5587, 0.3520, 0.3562



21.6202, 0.4262, 0.2384



16.5454, 0.3577, 0.3597



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.



35.1137, 0.4876, 0.4105



38.9797, 0.5279, 0.4093



68.5882, 0.4135, 0.4853



15.4942, 0.3281, 0.3402



16.0182, 0.5473, 0.4036



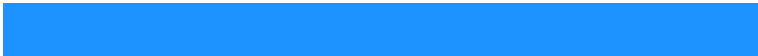
1.3687, 0.5238, 0.4223

Inverse Universe

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



27.3539, 0.2008, 0.2103



28.3205, 0.1858, 0.1817



10.2117, 0.1728, 0.1006



15.1305, 0.2981, 0.3175



11.1547, 0.1795, 0.1662



1.0101, 0.1866, 0.1917

Previews

White Background



This preview shows how the Yxy color 35.1119, 0.4876, 0.4105 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 35.1119, 0.4876, 0.4105 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 35.1119, 0.4876, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 35.1119, 0.4876, 0.4105.



This preview shows how white text looks on a background with the Yxy color 35.1119, 0.4876, 0.4105.

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

35.1119, 0.4876, 0.4105

Protanopia

35.4551, 0.4146, 0.4552

Deuteranopia

35.0117, 0.4510, 0.4419



Tritanopia

35.2819, 0.4171, 0.3190

Trichromacy



Original Color

35.1119, 0.4876, 0.4105

Protanomaly

34.8771, 0.4408, 0.4386

Deuteranomaly

34.8546, 0.4654, 0.4300

Tritanomaly

35.0209, 0.4469, 0.3554

Monochromacy



Original Color

35.1119, 0.4876, 0.4105

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.1383, 0.3760, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1119, 0.4876, 0.4105 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(227, 139, 59)` looks like.

```
.text, #text, p{  
    color:rgb(227, 139, 59)  
}
```

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(227, 139, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 139, 59) }
```

Border

The CSS property to change the border of an element to Yxy 35.1119, 0.4876, 0.4105 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(227, 139, 59) }
```

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

```
.border{ border-color:rgb(227, 139, 59) }
```

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

Here you see how a box with a 4 pixel rgb(227, 139, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 139, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 139, 59);  
box-shadow:4px 4px 4px 4px rgb(227, 139,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1119, 0.4876, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 139, 59) }
```

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

```
.background{ background-color: rgb(227,  
139, 59) }
```

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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