

Converting Colors

$Y_{xy}(33.4285, 0.5042, 0.4121)$

Have a look what the booklet for
Yxy(33.4285, 0.5042, 0.4121)
contains.

Yxy(33.4585, 0.5038, 0.4125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.4585, 0.5038, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	E4852D
RGB	228, 133, 45
RGB Percent	89%, 52%, 18%
CMY	0.1058, 0.4785, 0.8234
CMYK	0.00, 0.42, 0.80, 0.11
HSL	29°, 77%, 54%
HSV	29°, 80%, 89%
XYZ	40.8640, 33.4585, 6.7890
YIQ	151.3730, 84.8680, -7.2280

Conversions

Conversions Part 2

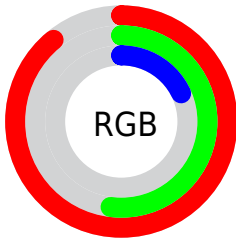
Format	Color
R _Y B	228, 215, 45
Decimal	14976301
CIE Lab	64.53, 30.26, 59.54
CIE LCh	65, 66.786, 63.059
Yxy	33.4585, 0.5038, 0.4125
Android (android.graphics.Color)	4293166381 (0xFFE4852D)
YUV	151.3730, -52.4419, 67.2019
Hunter-Lab	57.8433, 24.8773, 33.5315

Details

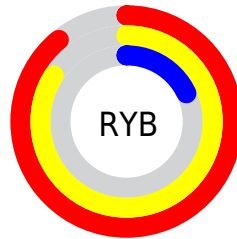
The Yxy color **33.4585, 0.5038, 0.4125** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **24.9375, 0.1937, 0.1974**, and the grayscale version is **31.3192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6825, 0.4424, 0.4169**, and **14.1416, 0.5413, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **30.2677, 0.5283, 0.4100**, and if you desaturate by 10%, it is **37.1132, 0.4763, 0.4097**.

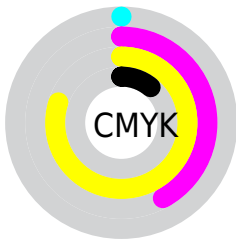
Distribution



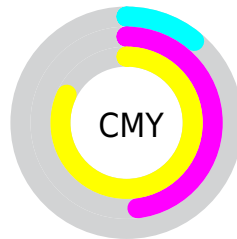
- Red (89%)
- Green (52%)
- Blue (18%)



- Red (89%)
- Yellow (84%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (80%)
- Black (11%)




- Cyan (11%)
- Magenta (48%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4585, 0.5038, 0.4125 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 33.4585, 0.5038, 0.4125 by changing the saturation by 10% instead.

 33.4585, 0.5038,
0.4125


 33.4585, 0.5038,
0.4125


317.7107, 0.4087,
0.3809


 22.4779, 0.5246,
0.4152


 65.0907, 0.4708,
0.4045

 14.2085, 0.5488,
0.4154


 86.5111, 0.4578,
0.4004

 8.2658, 0.5841,
0.4159

 112.1803, 0.4467,
0.3965

 4.2655, 0.6055,
0.3945

 142.4825, 0.4370,
0.3929

 1.8232, 0.6388,
0.3612

 177.8023, 0.4285,
0.3895

 0.5015, 0.7174,
0.2826

 218.5240, 0.4211,

 0.0000, 1.0000,

0.3864

0.0000

265.0320, 0.4145,
0.3836

■ 0.0000, 0.0000,
0.0000

■ 33.4585, 0.5038,
0.4125

■ 33.4585, 0.5038,
0.4125

■ 30.2677, 0.5283,
0.4100

■ 37.1132, 0.4763,
0.4097

■ 27.5658, 0.5484,
0.4027

■ 41.2513, 0.4476,
0.4025

■ 45.8970, 0.4196,
0.3922

■ 51.0706, 0.3934,
0.3800

■ 56.7911, 0.3694,
0.3671

■ 63.0763, 0.3481,
0.3540

■ 69.9431, 0.3294,
0.3413

■ 77.4076, 0.3131,
0.3293

■ 85.4851, 0.2989,
0.3181

Harmonies

Analogous

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



33.4585, 0.5088, 0.3418



33.4585, 0.5038, 0.4125



33.4585, 0.4442, 0.4821

Triad

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



33.4585, 0.5038, 0.4125



33.4585, 0.1873, 0.3737



33.4585, 0.2424, 0.1890

Complementary

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



33.4585, 0.5038, 0.4125



24.9375, 0.1937, 0.1974

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.



33.4585, 0.1778, 0.1814



33.4585, 0.5038, 0.4125



33.4585, 0.1495, 0.2666

Square

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



33.4585, 0.5038, 0.4125



33.4585, 0.2622, 0.4851



33.4585, 0.1476, 0.2041



33.4585, 0.3400, 0.2225

Rectangle

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



33.4585, 0.5038, 0.4125



33.4585, 0.3873, 0.5155



33.4585, 0.1476, 0.2041



33.4585, 0.2168, 0.1835

Sweetspot

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



33.4603, 0.5038, 0.4125



78.0370, 0.3561, 0.3591



20.3496, 0.4404, 0.2366



16.0856, 0.3638, 0.3637



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.



33.4603, 0.5038, 0.4125



36.6853, 0.5416, 0.4055



68.8947, 0.4179, 0.4915



15.5054, 0.3280, 0.3403



16.1474, 0.5460, 0.4047



1.3784, 0.5227, 0.4232

Inverse Universe

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



24.9375, 0.1937, 0.1974



25.2727, 0.1805, 0.1679



8.5401, 0.1644, 0.0862



15.1193, 0.2981, 0.3174



11.0112, 0.1791, 0.1647



0.9995, 0.1862, 0.1904

Previews

White Background



This preview shows how the Yxy color 33.4585, 0.5038, 0.4125 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 33.4585, 0.5038, 0.4125 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 33.4585, 0.5038, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 33.4585, 0.5038, 0.4125.



This preview shows how white text looks on a background with the Yxy color 33.4585, 0.5038, 0.4125.

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

33.4585, 0.5038, 0.4125

Protanopia

33.5831, 0.4236, 0.4655

Deuteranopia

33.5117, 0.4599, 0.4514



Tritanopia

33.2646, 0.4290, 0.3191

Trichromacy



Original Color

33.4585, 0.5038, 0.4125

Protanomaly

33.0037, 0.4538, 0.4451

Deuteranomaly

33.2149, 0.4765, 0.4368

Tritanomaly

33.1073, 0.4640, 0.3581

Monochromacy



Original Color

33.4585, 0.5038, 0.4125

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.7001, 0.3850, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4585, 0.5038, 0.4125 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(228, 133, 45)` looks like.

```
.text, #text, p{  
    color:rgb(228, 133, 45)  
}
```

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(228, 133, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 133, 45) }
```

Border

The CSS property to change the border of an element to Yxy 33.4585, 0.5038, 0.4125 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(228, 133, 45) }
```

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

```
.border{ border-color:rgb(228, 133, 45) }
```

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

Here you see how a box with a 4 pixel rgb(228, 133, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 133, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 133, 45);  
box-shadow:4px 4px 4px 4px rgb(228, 133,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4585, 0.5038, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 133, 45) }
```

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

```
.background{ background-color: rgb(228,  
133, 45) }
```

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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