

Converting Colors

$Y_{xy}(35.2590, 0.5184, 0.4244)$

Have a look what the booklet for
Yxy(35.2590, 0.5184, 0.4244)
contains.

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Color

Yxy(35.2880, 0.5183, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	EB8808
RGB	235, 136, 8
RGB Percent	92%, 53%, 3%
CMY	0.0785, 0.4666, 0.9679
CMYK	0.00, 0.42, 0.97, 0.08
HSL	34°, 93%, 48%
HSV	34°, 97%, 92%
XYZ	43.1058, 35.2880, 4.7738
YIQ	151.0090, 100.0920, -18.8200

Conversions

Conversions Part 2

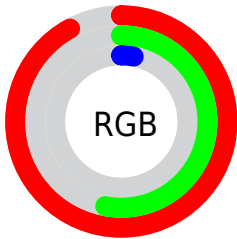
Format	Color
RYB	184, 235, 8
Decimal	15435784
CIELab	65.97, 30.82, 70.81
CIELCh	66, 77.226, 66.477
Yxy	35.2880, 0.5183, 0.4243
Android (android.graphics.Color)	4293625864 (0xFFEB8808)
YUV	151.0090, -70.5034, 73.6601
Hunter-Lab	59.4037, 25.5704, 36.8179

Details

The Yxy color **35.2880, 0.5183, 0.4243** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **16.5954, 0.1731, 0.1410**, and the grayscale version is **31.2373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6087, 0.4532, 0.4357**, and **15.2677, 0.5416, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **34.2835, 0.5241, 0.4221**, and if you desaturate by 10%, it is **38.4026, 0.5002, 0.4285**.

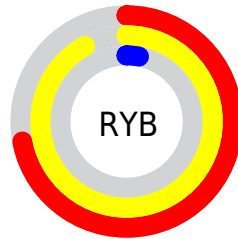
Distribution



Red (92%)

Green (53%)

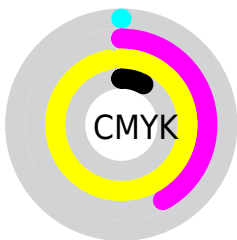
Blue (3%)



Red (72%)

Yellow (92%)

Blue (3%)

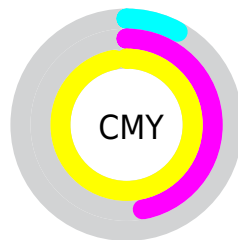


Cyan (0%)

Magenta (42%)

Yellow (97%)

Black (8%)



Cyan (8%)


Magenta (47%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2880, 0.5183, 0.4243 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 35.2880, 0.5183, 0.4243 by changing the saturation by 10% instead.


 35.2880, 0.5183,
0.4243


 35.2880, 0.5183,
0.4243


325.8377, 0.4205,
0.3915

 23.8848, 0.5376,
0.4257


 67.9317, 0.4860,
0.4172

 15.2482, 0.5594,
0.4241


 89.9410, 0.4727,
0.4131


 8.9938, 0.5832,
0.4168


 116.2544, 0.4611,
0.4089

 4.7371, 0.6038,
0.3962

 147.2564, 0.4509,
0.4050

 2.0939, 0.6352,
0.3648

 183.3313, 0.4419,
0.4012


 0.6612, 0.6946,
0.3054

 224.8636, 0.4340,


 0.0000, 1.0000,


0.3977

0.0000


 272.2376, 0.4268,
0.3945


 0.0000, 0.0000,
0.0000

 35.2880, 0.5183,
0.4243

 35.2880, 0.5183,
0.4243


 34.2835, 0.5241,
0.4221

 38.4026, 0.5002,
0.4285

 41.8895, 0.4785,
0.4272

 45.7745, 0.4545,
0.4208

 50.0779, 0.4295,
0.4105

 54.8180, 0.4048,
0.3975

■ 60.0112, 0.3814,
0.3829

■ 65.6730, 0.3599,
0.3677

■ 71.8178, 0.3404,
0.3526

■ 78.4592, 0.3230,
0.3381

Harmonies

Analogous

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



35.2880, 0.5364, 0.3472



35.2880, 0.5183, 0.4243



35.2880, 0.4441, 0.5036

Triad

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



35.2880, 0.5183, 0.4243



35.2880, 0.1653, 0.3625



35.2880, 0.2441, 0.1780

Complementary

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



35.2880, 0.5183, 0.4243



16.5954, 0.1731, 0.1410

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.



35.2880, 0.1698, 0.1661



35.2880, 0.5183, 0.4243



35.2880, 0.1310, 0.2461

Square

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



35.2880, 0.5183, 0.4243



35.2880, 0.2422, 0.4984



35.2880, 0.1337, 0.1850



35.2880, 0.3565, 0.2168

Rectangle

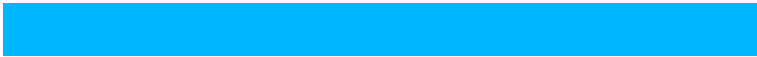
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.2880, 0.5183, 0.4243



35.2880, 0.3790, 0.5423



35.2880, 0.1337, 0.1850



35.2880, 0.2147, 0.1709

Sweetspot

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



35.2899, 0.5183, 0.4243



77.2304, 0.3653, 0.3717



18.9678, 0.5116, 0.2610



15.9041, 0.3745, 0.3782



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.



35.2899, 0.5183, 0.4243



41.1249, 0.5246, 0.4216



75.2153, 0.4103, 0.5111



16.4629, 0.3279, 0.3423



19.3421, 0.5220, 0.4238



1.7097, 0.5039, 0.4381

Inverse Universe

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



16.5954, 0.1731, 0.1410



18.6479, 0.1705, 0.1338



6.3184, 0.1526, 0.0628



15.6303, 0.2980, 0.3154



8.9304, 0.1715, 0.1375



0.8896, 0.1790, 0.1643

Previews

White Background



This preview shows how the Yxy color 35.2880, 0.5183, 0.4243 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 35.2880, 0.5183, 0.4243 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 35.2880, 0.5183, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 35.2880, 0.5183, 0.4243.



This preview shows how white text looks on a background with the Yxy color 35.2880, 0.5183, 0.4243.

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

35.2880, 0.5183, 0.4243

Protanopia

35.3640, 0.4368, 0.4838

Deuteranopia

35.4790, 0.4712, 0.4641



Tritanopia

35.2245, 0.4324, 0.3184

Trichromacy



Original Color

35.2880, 0.5183, 0.4243

Protanomaly

34.9114, 0.4679, 0.4613

Deuteranomaly

35.3211, 0.4891, 0.4490

Tritanomaly

34.8806, 0.4797, 0.3711

Monochromacy



Original Color

35.2880, 0.5183, 0.4243

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.4037, 0.4007, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2880, 0.5183, 0.4243 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(235, 136, 8)` looks like.

```
.text, #text, p{  
    color:rgb(235, 136, 8)  
}
```

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(235, 136, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 136, 8) }
```

Border

The CSS property to change the border of an element to Yxy 35.2880, 0.5183, 0.4243 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(235, 136, 8) }
```

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

```
.border{ border-color:rgb(235, 136, 8) }
```

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

Here you see how a box with a 4 pixel rgb(235, 136, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 136, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 136, 8);  
box-shadow:4px 4px 4px 4px rgb(235, 136,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2880, 0.5183, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 136, 8) }
```

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

```
.background{ background-color: rgb(235,  
136, 8) }
```

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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