

Converting Colors

$Y_{xy}(35.3561, 0.5189, 0.4256)$

Have a look what the booklet for
Yxy(35.3561, 0.5189, 0.4256)
contains.

Yxy(35.2749, 0.5193, 0.4253)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(35.2749, 0.5193, 0.4253)

Conversions

Conversions Part 1

Format	Color
Hex	EB8802
RGB	235, 136, 2
RGB Percent	92%, 53%, 1%
CMY	0.0785, 0.4666, 0.9923
CMYK	0.00, 0.42, 0.99, 0.08
HSL	35°, 98%, 46%
HSV	35°, 99%, 92%
XYZ	43.0714, 35.2749, 4.5949
YIQ	150.3250, 102.0180, -20.6860

Conversions

Conversions Part 2

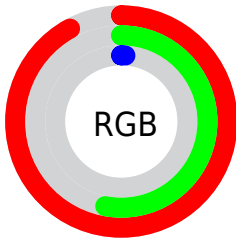
Format	Color
RYB	174, 235, 2
Decimal	15435778
CIELab	65.96, 30.76, 71.68
CIELCh	66, 78.006, 66.773
Yxy	35.2749, 0.5193, 0.4253
Android (android.graphics.Color)	4293625858 (0xFFEB8802)
YUV	150.3250, -73.1242, 74.2600
Hunter-Lab	59.3927, 25.5104, 36.9879

Details

The Yxy color **35.2749, 0.5193, 0.4253** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **15.3043, 0.1703, 0.1325**, and the grayscale version is **30.9298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5813, 0.4542, 0.4370**, and **15.2677, 0.5416, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **35.0374, 0.5207, 0.4248**, and if you desaturate by 10%, it is **38.2884, 0.5025, 0.4303**.

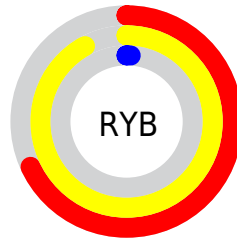
Distribution



Red (92%)

Green (53%)

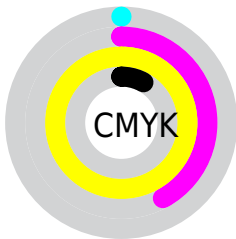
Blue (1%)



Red (68%)

Yellow (92%)

Blue (1%)

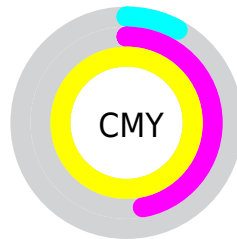


Cyan (0%)

Magenta (42%)

Yellow (99%)

Black (8%)



Cyan (8%)


Magenta (47%)


Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2749, 0.5193, 0.4253 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 35.2749, 0.5193, 0.4253 by changing the saturation by 10% instead.


 35.2749, 0.5193,
0.4253


 35.2749, 0.5193,
0.4253

325.7801, 0.4214,
0.3924

 23.8747, 0.5385,
0.4266


 67.9114, 0.4871,
0.4183

 15.2407, 0.5602,
0.4250


 89.9165, 0.4738,
0.4141


 8.9885, 0.5831,
0.4169


 116.2254, 0.4622,
0.4100

 4.7337, 0.6036,
0.3964

 147.2224, 0.4520,
0.4060

 2.0919, 0.6350,
0.3650

 183.2920, 0.4429,
0.4022


 0.6600, 0.6945,
0.3055

 224.8186, 0.4349,


 0.0000, 1.0000,


0.3987


0.0000


 272.1864, 0.4278,
0.3954


 0.0000, 0.0000,
0.0000

 35.2749, 0.5193,
0.4253


 35.2749, 0.5193,
0.4253


 35.0374, 0.5207,
0.4248

 38.2884, 0.5025,
0.4303

 41.6501, 0.4822,
0.4302

 45.3902, 0.4592,
0.4248

 49.5293, 0.4349,
0.4152

 54.0853, 0.4105,
0.4025

■ 59.0748, 0.3870,
0.3880

■ 64.5129, 0.3651,
0.3726

■ 70.4138, 0.3452,
0.3571

■ 76.7908, 0.3273,
0.3421

Harmonies

Analogous

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



35.2749, 0.5387, 0.3477



35.2749, 0.5193, 0.4253



35.2749, 0.4438, 0.5054

Triad

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



35.2749, 0.5193, 0.4253



35.2749, 0.1634, 0.3613



35.2749, 0.2443, 0.1771

Complementary

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



35.2749, 0.5193, 0.4253



15.3043, 0.1703, 0.1325

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.



35.2749, 0.1692, 0.1648



35.2749, 0.5193, 0.4253



35.2749, 0.1295, 0.2442

Square

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



35.2749, 0.5193, 0.4253



35.2749, 0.2404, 0.4993



35.2749, 0.1327, 0.1834



35.2749, 0.3581, 0.2164

Rectangle

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



35.2749, 0.5193, 0.4253



35.2749, 0.3780, 0.5446



35.2749, 0.1327, 0.1834



35.2749, 0.2146, 0.1699

Sweetspot

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



35.2768, 0.5193, 0.4253



77.0081, 0.3672, 0.3741



18.6798, 0.5254, 0.2673



15.8800, 0.3763, 0.3806



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.



35.2768, 0.5193, 0.4253



42.0337, 0.5212, 0.4244



74.5393, 0.4075, 0.5143



16.4931, 0.3278, 0.3425



19.7618, 0.5186, 0.4264



1.7418, 0.5011, 0.4403

Inverse Universe

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



15.3043, 0.1703, 0.1325



18.0089, 0.1695, 0.1302



6.1637, 0.1520, 0.0614



15.6006, 0.2980, 0.3151



8.6312, 0.1705, 0.1339



0.8648, 0.1781, 0.1610

Previews

White Background



This preview shows how the Yxy color 35.2749, 0.5193, 0.4253 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 35.2749, 0.5193, 0.4253 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 35.2749, 0.5193, 0.4253

Background



This preview shows how black text looks on a background with the Yxy color 35.2749, 0.5193, 0.4253.



This preview shows how white text looks on a background with the Yxy color 35.2749, 0.5193, 0.4253.

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

35.2749, 0.5193, 0.4253

Protanopia

35.3572, 0.4372, 0.4845

Tritanopia

35.2245, 0.4324, 0.3184

Trichromacy



Original Color

35.2749, 0.5193, 0.4253

Protanomaly

34.9005, 0.4686, 0.4622

Tritanomaly

34.8305, 0.4826, 0.3739

Monochromacy



Original Color

35.2749, 0.5193, 0.4253

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.9191, 0.4033, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2749, 0.5193, 0.4253 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(235, 136, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 35.2749, 0.5193, 0.4253 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, 2) }
```

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

```
.border{ border-color:rgb(235, 136, 2) }
```

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, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 136, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 136, 2);  
box-shadow:4px 4px 4px 4px rgb(235, 136,  
2) }
```

Background

The CSS property to change the background color of an element to Yxy 35.2749, 0.5193, 0.4253 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, 2) }
```

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

```
.background{ background-color: rgb(235,  
136, 2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor