

Converting Colors

$Y_{xy}(35.9801, 0.5084, 0.4345)$

Have a look what the booklet for
Yxy(35.9801, 0.5084, 0.4345)
contains.

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Color

Yxy(36.1690, 0.5083, 0.4346)

Conversions

Conversions Part 1

Format	Color
Hex	E68E00
RGB	230, 142, 0
RGB Percent	90%, 56%, 0%
CMY	0.0981, 0.4431, 0.9999
CMYK	0.00, 0.38, 1.00, 0.10
HSL	37°, 100%, 45%
HSV	37°, 100%, 90%
XYZ	42.3026, 36.1690, 4.7521
YIQ	152.1240, 98.0300, -25.5060

Conversions

Conversions Part 2

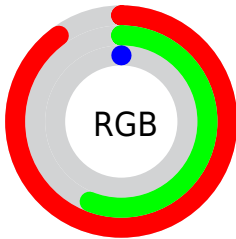
Format	Color
R_{YB}	143, 230, 0
Decimal	15109632
CIE _{Lab}	66.65, 25.51, 72.08
CIE _{LCh}	67, 76.461, 70.514
Yxy	36.1690, 0.5083, 0.4346
Android (android.graphics.Color)	4293299712 (0xFFE68E00)
YUV	152.1240, -74.9971, 68.2973
Hunter-Lab	60.1407, 20.3097, 37.4136

Details

The Yxy color **36.1690, 0.5083, 0.4346** 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 **12.6907, 0.1663, 0.1188**, and the grayscale version is **31.7571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2343, 0.4493, 0.4422**, and **15.8070, 0.5276, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **36.1682, 0.5083, 0.4346**, and if you desaturate by 10%, it is **38.9553, 0.4935, 0.4387**.

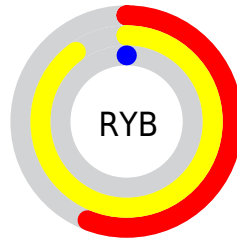
Distribution



Red (90%)

Green (56%)

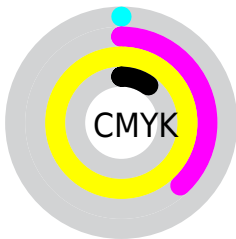
Blue (0%)



Red (56%)

Yellow (90%)

Blue (0%)

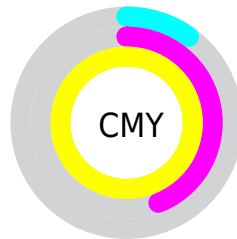


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1690, 0.5083, 0.4346 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 36.1690, 0.5083, 0.4346 by changing the saturation by 10% instead.


 36.1690, 0.5083,
0.4346


 36.1690, 0.5083,
0.4346


329.6986, 0.4164,
0.3960


 24.5647, 0.5260,
0.4376


 69.2928, 0.4783,
0.4253


 15.7531, 0.5458,
0.4380


 91.5812, 0.4658,
0.4203


 9.3496, 0.5668,
0.4332


 118.1997, 0.4549,
0.4155

 4.9699, 0.5839,
0.4161

 149.5328, 0.4453,
0.4110

 2.2296, 0.6104,
0.3896

 185.9649, 0.4368,
0.4068

 0.7361, 0.6585,
0.3415

 227.8802, 0.4292,


 0.0000, 1.0000,


0.4029


0.0000


 275.6634, 0.4224,
0.3993


 0.0000, 0.0000,
0.0000


 36.1690, 0.5083,
0.4346


 36.1690, 0.5083,
0.4346


 36.1682, 0.5083,
0.4346

 38.9553, 0.4935,
0.4387

 42.0246, 0.4755,
0.4380

 45.4066, 0.4548,
0.4322

 49.1192, 0.4323,
0.4220

 53.1780, 0.4094,
0.4086

■ 57.5972, 0.3870,
0.3933

■ 62.3897, 0.3659,
0.3769

■ 67.5674, 0.3463,
0.3604

■ 73.1419, 0.3286,
0.3443

Harmonies

Analogous

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



36.1690, 0.5348, 0.3576



36.1690, 0.5083, 0.4346



36.1690, 0.4306, 0.5107

Triad

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



36.1690, 0.5083, 0.4346



36.1690, 0.1605, 0.3439



36.1690, 0.2582, 0.1837

Complementary

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



36.1690, 0.5083, 0.4346



12.6907, 0.1663, 0.1188

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.



36.1690, 0.1793, 0.1681



36.1690, 0.5083, 0.4346



36.1690, 0.1318, 0.2365

Square

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



36.1690, 0.5083, 0.4346



36.1690, 0.2314, 0.4796



36.1690, 0.1388, 0.1825



36.1690, 0.3724, 0.2254

Rectangle

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



36.1690, 0.5083, 0.4346



36.1690, 0.3651, 0.5430



36.1690, 0.1388, 0.1825



36.1690, 0.2274, 0.1754

Sweetspot

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



36.1709, 0.5083, 0.4346



78.7436, 0.3662, 0.3772



17.5284, 0.5480, 0.2793



16.2929, 0.3750, 0.3842



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.



36.1709, 0.5083, 0.4346



45.5273, 0.5089, 0.4341



69.3031, 0.3987, 0.5217



15.8425, 0.3277, 0.3435



20.7229, 0.5065, 0.4360



1.7096, 0.4904, 0.4488

Inverse Universe

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



12.6907, 0.1663, 0.1188



15.8709, 0.1661, 0.1178



5.9438, 0.1536, 0.0620



14.7864, 0.2981, 0.3141



7.4031, 0.1671, 0.1217



0.7222, 0.1752, 0.1508

Previews

White Background



This preview shows how the Yxy color 36.1690, 0.5083, 0.4346 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 36.1690, 0.5083, 0.4346 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 36.1690, 0.5083, 0.4346

Background



This preview shows how black text looks on a background with the Yxy color 36.1690, 0.5083, 0.4346.



This preview shows how white text looks on a background with the Yxy color 36.1690, 0.5083, 0.4346.

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

36.1690, 0.5083, 0.4346

Protanopia

36.3021, 0.4373, 0.4851

Deuteranopia

36.2330, 0.4727, 0.4628



Tritanopia

36.1177, 0.4173, 0.3180

Trichromacy



Original Color

36.1690, 0.5083, 0.4346

Protanomaly

35.7462, 0.4642, 0.4661

Deuteranomaly

36.2598, 0.4858, 0.4525

Tritanomaly

35.6701, 0.4700, 0.3789

Monochromacy



Original Color

36.1690, 0.5083, 0.4346

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.7462, 0.3992, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1690, 0.5083, 0.4346 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(230, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 142, 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(230, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.1690, 0.5083, 0.4346 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(230, 142, 0) }
```

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

```
.border{ border-color:rgb(230, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1690, 0.5083, 0.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 142, 0) }
```

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

```
.background{ background-color: rgb(230,  
142, 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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