

Converting Colors

$Y_{xy}(36.5298, 0.5061, 0.4364)$

Have a look what the booklet for
Yxy(36.5298, 0.5061, 0.4364)
contains.

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Color

Yxy(36.3029, 0.5063, 0.4362)

Conversions

Conversions Part 1

Format	Color
Hex	E58F00
RGB	229, 143, 0
RGB Percent	90%, 56%, 0%
CMY	0.1019, 0.4392, 1.0000
CMYK	0.00, 0.38, 1.00, 0.10
HSL	37°, 100%, 45%
HSV	37°, 100%, 90%
XYZ	42.1370, 36.3029, 4.7855
YIQ	152.4120, 97.1590, -26.2410

Conversions

Conversions Part 2

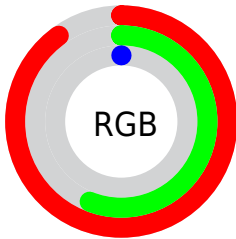
Format	Color
R _Y B	138, 229, 0
Decimal	15044352
CIE Lab	66.75, 24.57, 72.09
CIE LCh	67, 76.164, 71.182
Yxy	36.3029, 0.5063, 0.4362
Android (android.graphics.Color)	4293234432 (0xFFE58F00)
YUV	152.4120, -75.1391, 67.1677
Hunter-Lab	60.2519, 19.3927, 37.4673

Details

The Yxy color **36.3029, 0.5063, 0.4362** 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 **12.3135, 0.1658, 0.1169**, and the grayscale version is **31.8884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6869, 0.4485, 0.4431**, and **15.8698, 0.5249, 0.4215** is the 20% darker color. If you saturate the color by 10%, you get **36.3048, 0.5063, 0.4362**, and if you desaturate by 10%, it is **39.0484, 0.4918, 0.4401**.

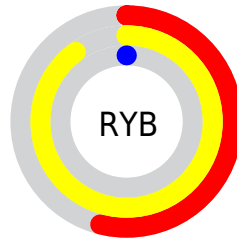
Distribution



Red (90%)

Green (56%)

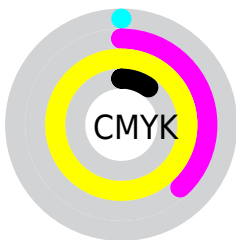
Blue (0%)



Red (54%)

Yellow (90%)

Blue (0%)

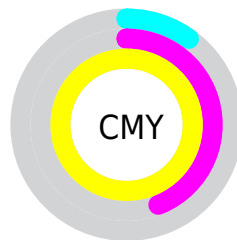


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3029, 0.5063, 0.4362 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 36.3029, 0.5063, 0.4362 by changing the saturation by 10% instead.

 36.3029, 0.5063,
0.4362


 36.3029, 0.5063,
0.4362


330.2825, 0.4155,
0.3965


 24.6682, 0.5238,
0.4395


 69.4993, 0.4766,
0.4265


 15.8300, 0.5432,
0.4403


 91.8299, 0.4644,
0.4214


 9.4040, 0.5639,
0.4361


 118.4945, 0.4536,
0.4165

 5.0056, 0.5805,
0.4195

 149.8776, 0.4440,
0.4118

 2.2505, 0.6060,
0.3940

 186.3635, 0.4356,
0.4075


 0.7473, 0.6523,
0.3477


 228.3367, 0.4281,


 0.0000, 1.0000,


0.4036


0.0000


 276.1816, 0.4214,
0.3999

 0.0000, 0.0000,
0.0000


 36.3029, 0.5063,
0.4362


 36.3029, 0.5063,
0.4362


 36.3048, 0.5063,
0.4362

 39.0484, 0.4918,
0.4401

 42.0670, 0.4742,
0.4393

 45.3880, 0.4537,
0.4333

 49.0290, 0.4316,
0.4230

 53.0051, 0.4089,
0.4094

■ 57.3300, 0.3868,
0.3939

■ 62.0165, 0.3657,
0.3774

■ 67.0761, 0.3463,
0.3608

■ 72.5199, 0.3286,
0.3445

Harmonies

Analogous

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



36.3029, 0.5340, 0.3593



36.3029, 0.5063, 0.4362



36.3029, 0.4283, 0.5115

Triad

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



36.3029, 0.5063, 0.4362



36.3029, 0.1601, 0.3410



36.3029, 0.2607, 0.1849

Complementary

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



36.3029, 0.5063, 0.4362



12.3135, 0.1658, 0.1169

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.



36.3029, 0.1812, 0.1688



36.3029, 0.5063, 0.4362



36.3029, 0.1322, 0.2353

Square

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



36.3029, 0.5063, 0.4362



36.3029, 0.2298, 0.4761



36.3029, 0.1400, 0.1824



36.3029, 0.3748, 0.2270

Rectangle

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



36.3029, 0.5063, 0.4362



36.3029, 0.3628, 0.5425



36.3029, 0.1400, 0.1824



36.3029, 0.2297, 0.1764

Sweetspot

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



36.3048, 0.5063, 0.4362



79.0345, 0.3661, 0.3777



17.3600, 0.5480, 0.2792



16.3622, 0.3748, 0.3848



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.



36.3048, 0.5063, 0.4362



46.1373, 0.5069, 0.4357



68.6387, 0.3987, 0.5217



15.8599, 0.3277, 0.3436



20.9948, 0.5046, 0.4376



1.7286, 0.4888, 0.4500

Inverse Universe

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



12.3135, 0.1658, 0.1169



15.5429, 0.1655, 0.1158



5.8866, 0.1536, 0.0620



14.7696, 0.2981, 0.3139



7.2530, 0.1666, 0.1197



0.7100, 0.1747, 0.1489

Previews

White Background



This preview shows how the Yxy color 36.3029, 0.5063, 0.4362 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 36.3029, 0.5063, 0.4362 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 36.3029, 0.5063, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 36.3029, 0.5063, 0.4362.



This preview shows how white text looks on a background with the Yxy color 36.3029, 0.5063, 0.4362.

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

36.3029, 0.5063, 0.4362

Protanopia

36.4252, 0.4383, 0.4843

Deuteranopia

36.2330, 0.4727, 0.4628



Tritanopia

36.4204, 0.4157, 0.3180

Trichromacy



Original Color

36.3029, 0.5063, 0.4362

Protanomaly

36.0805, 0.4631, 0.4671

Deuteranomaly

36.1088, 0.4849, 0.4532

Tritanomaly

35.9703, 0.4682, 0.3790

Monochromacy



Original Color

36.3029, 0.5063, 0.4362

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.0613, 0.3985, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3029, 0.5063, 0.4362 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(229, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 143, 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(229, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.3029, 0.5063, 0.4362 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(229, 143, 0) }
```

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

```
.border{ border-color:rgb(229, 143, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 143,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3029, 0.5063, 0.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 143, 0) }
```

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

```
.background{ background-color: rgb(229,  
143, 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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