

Converting Colors

$Y_{xy}(34.5097, 0.5223, 0.4366)$

Have a look what the booklet for
Yxy(34.5097, 0.5223, 0.4366)
contains.

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Color

Yxy(34.7143, 0.5146, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	E68900
RGB	230, 137, 0
RGB Percent	90%, 54%, 0%
CMY	0.0980, 0.4628, 0.9999
CMYK	0.00, 0.40, 1.00, 0.10
HSL	36°, 100%, 45%
HSV	36°, 100%, 90%
XYZ	41.5828, 34.7143, 4.5090
YIQ	149.1890, 99.4050, -22.8910

Conversions

Conversions Part 2

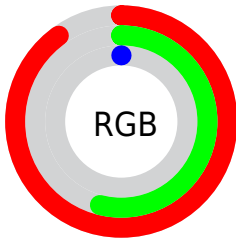
Format	Color
RYB	156, 230, 0
Decimal	15108352
CIELab	65.53, 28.17, 71.37
CIELCh	66, 76.725, 68.460
Yxy	34.7143, 0.5146, 0.4296
Android (android.graphics.Color)	4293298432 (0xFFE68900)
YUV	149.1890, -73.5502, 70.8712
Hunter-Lab	58.9188, 22.8710, 36.7058

Details

The Yxy color **34.7143, 0.5146, 0.4296** 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 **13.5488, 0.1681, 0.1251**, and the grayscale version is **30.4250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0026, 0.4539, 0.4385**, and **14.9804, 0.5362, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **34.7144, 0.5146, 0.4296**, and if you desaturate by 10%, it is **37.5378, 0.4988, 0.4343**.

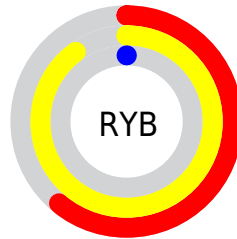
Distribution



Red (90%)

Green (54%)

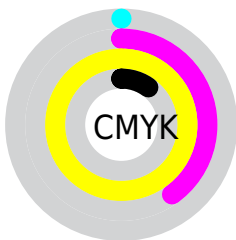
Blue (0%)



Red (61%)

Yellow (90%)

Blue (0%)

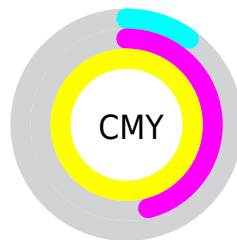


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7143, 0.5146, 0.4296 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 34.7143, 0.5146, 0.4296 by changing the saturation by 10% instead.


 34.7143, 0.5146,
0.4296


 34.7143, 0.5146,
0.4296


323.3055, 0.4188,
0.3939


 23.4429, 0.5333,
0.4316

 67.0429, 0.4831,
0.4215


 14.9209, 0.5546,
0.4310


 88.8689, 0.4701,
0.4170

 8.7639, 0.5763,
0.4237


 114.9819, 0.4588,
0.4125

 4.5875, 0.5957,
0.4043

 145.7663, 0.4487,
0.4082

 2.0073, 0.6258,
0.3742

 181.6064, 0.4399,
0.4042


 0.6117, 0.6874,
0.3126

 222.8868, 0.4321,

 0.0000, 1.0000,

0.4005

0.0000


 269.9916, 0.4251,
0.3971

 0.0000, 0.0000,
0.0000


 34.7143, 0.5146,
0.4296


 34.7143, 0.5146,
0.4296


 34.7144, 0.5146,
0.4296

 37.5378, 0.4988,
0.4343

 40.6666, 0.4798,
0.4341

 44.1314, 0.4580,
0.4287

 47.9508, 0.4346,
0.4189

 52.1415, 0.4109,
0.4060

■ 56.7181, 0.3879,
0.3911

■ 61.6945, 0.3664,
0.3753

■ 67.0834, 0.3465,
0.3594

■ 72.8969, 0.3287,
0.3438

Harmonies

Analogous

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



34.7143, 0.5374, 0.3521



34.7143, 0.5146, 0.4296



34.7143, 0.4379, 0.5082

Triad

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



34.7143, 0.5146, 0.4296



34.7143, 0.1618, 0.3532



34.7143, 0.2505, 0.1799

Complementary

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



34.7143, 0.5146, 0.4296



13.5488, 0.1681, 0.1251

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.



34.7143, 0.1736, 0.1661



34.7143, 0.5146, 0.4296



34.7143, 0.1302, 0.2405

Square

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



34.7143, 0.5146, 0.4296



34.7143, 0.2361, 0.4908



34.7143, 0.1352, 0.1828



34.7143, 0.3647, 0.2203

Rectangle

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



34.7143, 0.5146, 0.4296



34.7143, 0.3722, 0.5444



34.7143, 0.1352, 0.1828



34.7143, 0.2202, 0.1722

Sweetspot

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



34.7161, 0.5146, 0.4296



77.8387, 0.3667, 0.3756



17.6677, 0.5343, 0.2717



16.0774, 0.3757, 0.3824



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.



34.7161, 0.5146, 0.4296



43.6746, 0.5153, 0.4291



70.4292, 0.4046, 0.5169



15.7882, 0.3278, 0.3430



19.8962, 0.5127, 0.4311



1.6514, 0.4954, 0.4449

Inverse Universe

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



13.5488, 0.1681, 0.1251



16.9462, 0.1678, 0.1241



5.8547, 0.1522, 0.0612



14.8393, 0.2981, 0.3146



7.8939, 0.1689, 0.1280



0.7617, 0.1769, 0.1569

Previews

White Background



This preview shows how the Yxy color 34.7143, 0.5146, 0.4296 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 34.7143, 0.5146, 0.4296 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 34.7143, 0.5146, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 34.7143, 0.5146, 0.4296.



This preview shows how white text looks on a background with the Yxy color 34.7143, 0.5146, 0.4296.

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

34.7143, 0.5146, 0.4296

Protanopia

34.8886, 0.4373, 0.4843

Deuteranopia

34.6898, 0.4727, 0.4629



Tritanopia

34.6471, 0.4257, 0.3181

Trichromacy



Original Color

34.7143, 0.5146, 0.4296

Protanomaly

34.4864, 0.4659, 0.4647

Deuteranomaly

34.5548, 0.4881, 0.4506

Tritanomaly

34.2444, 0.4773, 0.3762

Monochromacy



Original Color

34.7143, 0.5146, 0.4296

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.5420, 0.4009, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7143, 0.5146, 0.4296 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, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 137, 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, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.7143, 0.5146, 0.4296 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, 137, 0) }
```

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

```
.border{ border-color:rgb(230, 137, 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, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7143, 0.5146, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 137, 0) }
```

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

```
.background{ background-color: rgb(230,  
137, 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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