

Converting Colors

$Y_{xy}(30.2905, 0.5351, 0.4132)$

Have a look what the booklet for
Yxy(30.2905, 0.5351, 0.4132)
contains.

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Color

Yxy(30.3328, 0.5343, 0.4140)

Conversions

Conversions Part 1

Format	Color
Hex	E57900
RGB	229, 121, 0
RGB Percent	90%, 47%, 0%
CMY	0.1020, 0.5254, 1.0000
CMYK	0.00, 0.47, 1.00, 0.10
HSL	32°, 100%, 45%
HSV	32°, 100%, 90%
XYZ	39.1469, 30.3328, 3.7879
YIQ	139.4980, 103.2090, -14.7350

Conversions

Conversions Part 2

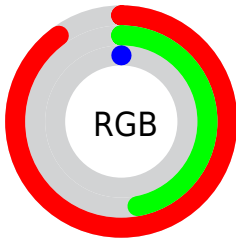
Format	Color
R_{YB}	204, 229, 0
Decimal	15038720
CIE Lab	61.94, 36.06, 69.09
CIE LCh	62, 77.935, 62.438
Yxy	30.3328, 0.5343, 0.4140
Android (android.graphics.Color)	4293228800 (0xFFE57900)
YUV	139.4980, -68.7725, 78.4933
Hunter-Lab	55.0752, 30.4943, 34.4748

Details

The Yxy color **30.3328, 0.5343, 0.4140** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **16.3750, 0.1739, 0.1460**, and the grayscale version is **26.2643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9743, 0.4702, 0.4251**, and **12.4873, 0.5622, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **30.3347, 0.5343, 0.4140**, and if you desaturate by 10%, it is **33.1694, 0.5156, 0.4203**.

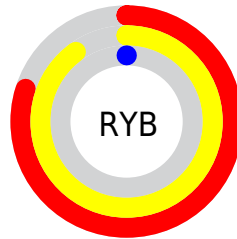
Distribution



Red (90%)

Green (47%)

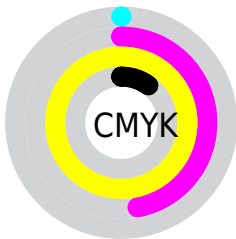
Blue (0%)



Red (80%)

Yellow (90%)

Blue (0%)

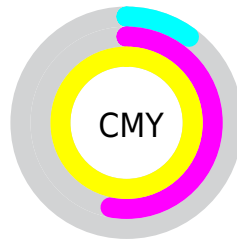


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3328, 0.5343, 0.4140 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 30.3328, 0.5343, 0.4140 by changing the saturation by 10% instead.


 30.3328, 0.5343,
0.4140

 30.3328, 0.5343,
0.4140


303.4526, 0.4262,
0.3876


 20.0913, 0.5560,
0.4129


 60.1881, 0.4981,
0.4098


 12.4615, 0.5832,
0.4094


 80.5707, 0.4834,
0.4066


 7.0588, 0.6063,
0.3937

 105.1025, 0.4706,
0.4031

 3.4989, 0.6334,
0.3666

 134.1678, 0.4594,
0.3997

 1.3974, 0.6759,
0.3241

 168.1511, 0.4495,
0.3964

 0.2148, 0.8377,
0.1623

 207.4367, 0.4408,


 0.0000, 1.0000,


0.3932

0.0000


 252.4091, 0.4331,
0.3903

 0.0000, 0.0000,
0.0000


 30.3328, 0.5343,
0.4140

 30.3328, 0.5343,
0.4140


 30.3347, 0.5343,
0.4140

 33.1694, 0.5156,
0.4203

 36.3798, 0.4933,
0.4216

 39.9979, 0.4681,
0.4177

 44.0457, 0.4417,
0.4093

 48.5426, 0.4156,
0.3979

■ 53.5062, 0.3907,
0.3845

■ 58.9531, 0.3678,
0.3703

■ 64.8986, 0.3472,
0.3560

■ 71.3574, 0.3289,
0.3422

Harmonies

Analogous

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



30.3328, 0.5451, 0.3354



30.3328, 0.5343, 0.4140



30.3328, 0.4605, 0.4991

Triad

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



30.3328, 0.5343, 0.4140



30.3328, 0.1656, 0.3843



30.3328, 0.2271, 0.1681

Complementary

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



30.3328, 0.5343, 0.4140



16.3750, 0.1739, 0.1460

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.



30.3328, 0.1561, 0.1595



30.3328, 0.5343, 0.4140



30.3328, 0.1252, 0.2533

Square

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



30.3328, 0.5343, 0.4140



30.3328, 0.2504, 0.5255



30.3328, 0.1239, 0.1833



30.3328, 0.3408, 0.2046

Rectangle

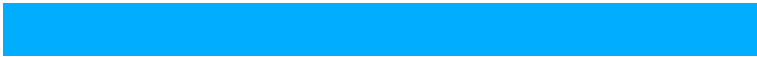
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.3328, 0.5343, 0.4140



30.3328, 0.3936, 0.5469



30.3328, 0.1239, 0.1833



30.3328, 0.1986, 0.1620

Sweetspot

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



30.3347, 0.5343, 0.4140



75.1208, 0.3682, 0.3706



17.7963, 0.5060, 0.2561



15.4324, 0.3777, 0.3766



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.



30.3347, 0.5343, 0.4140



38.5225, 0.5351, 0.4133



72.0659, 0.4164, 0.5076



15.6226, 0.3279, 0.3414



17.5895, 0.5320, 0.4158



1.4855, 0.5111, 0.4324

Inverse Universe

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



16.3750, 0.1739, 0.1460



20.7095, 0.1736, 0.1450



5.6810, 0.1504, 0.0602



15.0022, 0.2981, 0.3163



9.6007, 0.1747, 0.1488



0.8942, 0.1823, 0.1762

Previews

White Background



This preview shows how the Yxy color 30.3328, 0.5343, 0.4140 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 30.3328, 0.5343, 0.4140 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 30.3328, 0.5343, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 30.3328, 0.5343, 0.4140.



This preview shows how white text looks on a background with the Yxy color 30.3328, 0.5343, 0.4140.

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

30.3328, 0.5343, 0.4140

Protanopia

30.6153, 0.4356, 0.4841

Deuteranopia

30.5921, 0.4712, 0.4641



Tritanopia

30.4900, 0.4526, 0.3217

Trichromacy



Original Color

30.3328, 0.5343, 0.4140

Protanomaly

29.8591, 0.4739, 0.4575

Deuteranomaly

30.1653, 0.4952, 0.4450

Tritanomaly

30.1684, 0.5009, 0.3701

Monochromacy



Original Color

30.3328, 0.5343, 0.4140

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.2670, 0.4087, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3328, 0.5343, 0.4140 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, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 121, 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, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.3328, 0.5343, 0.4140 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, 121, 0) }
```

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

```
.border{ border-color:rgb(229, 121, 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, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3328, 0.5343, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 121, 0) }
```

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

```
.background{ background-color: rgb(229,  
121, 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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