

Converting Colors

$Y_{xy}(29.5220, 0.5306, 0.4169)$

Have a look what the booklet for
Yxy(29.5220, 0.5306, 0.4169)
contains.

Yxy(29.5220, 0.5306, 0.4169)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5220, 0.5306, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	E07900
RGB	224, 121, 0
RGB Percent	88%, 47%, 0%
CMY	0.1216, 0.5254, 1.0000
CMYK	0.00, 0.46, 1.00, 0.12
HSL	32°, 100%, 44%
HSV	32°, 100%, 88%
XYZ	37.5735, 29.5220, 3.7177
YIQ	138.0030, 100.2290, -15.7950

Conversions

Conversions Part 2

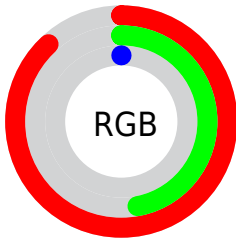
Format	Color
R _Y B	191, 224, 0
Decimal	14711040
CIE Lab	61.24, 34.03, 68.29
CIE LCh	61, 76.297, 63.512
Yxy	29.5220, 0.5306, 0.4169
Android (android.graphics.Color)	4292901120 (0xFFE07900)
YUV	138.0030, -68.0355, 75.4194
Hunter-Lab	54.3342, 28.3525, 33.9771

Details

The Yxy color **29.5220, 0.5306, 0.4169** 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 **15.0735, 0.1729, 0.1424**, and the grayscale version is **25.6548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9743, 0.4702, 0.4251**, and **12.1879, 0.5571, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **29.5236, 0.5306, 0.4169**, and if you desaturate by 10%, it is **32.2211, 0.5123, 0.4228**.

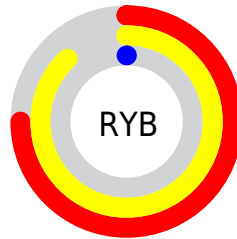
Distribution



Red (88%)

Green (47%)

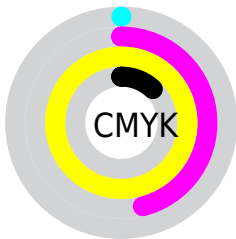
Blue (0%)



Red (75%)

Yellow (88%)

Blue (0%)

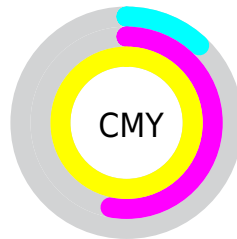


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5220, 0.5306, 0.4169 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 29.5220, 0.5306, 0.4169 by changing the saturation by 10% instead.

 29.5220, 0.5306,
0.4169


 29.5220, 0.5306,
0.4169


299.6700, 0.4238,
0.3883


 19.4761, 0.5522,
0.4164


 58.9054, 0.4948,
0.4119

 12.0148, 0.5795,
0.4138


 79.0117, 0.4802,
0.4083


 6.7537, 0.6018,
0.3982


 103.2402, 0.4675,
0.4046

 3.3086, 0.6286,
0.3714

 131.9753, 0.4565,
0.4009

 1.2949, 0.6710,
0.3290

 165.6015, 0.4468,
0.3974

 0.1372, 0.8757,
0.1243


 204.5030, 0.4382,


 0.0000, 0.0000,


0.3942


0.0000

 249.0644, 0.4306,
0.3911


 29.5220, 0.5306,
0.4169


 29.5220, 0.5306,
0.4169


 29.5236, 0.5306,
0.4169

 32.2211, 0.5123,
0.4228

 35.2627, 0.4906,
0.4238

 38.6782, 0.4661,
0.4196

 42.4879, 0.4403,
0.4109

 46.7095, 0.4146,
0.3992

■ 51.3591, 0.3901,
0.3856

■ 56.4518, 0.3675,
0.3712

■ 62.0017, 0.3470,
0.3566

■ 68.0221, 0.3288,
0.3424

Harmonies

Analogous

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



29.5220, 0.5437, 0.3385



29.5220, 0.5306, 0.4169



29.5220, 0.4563, 0.5009

Triad

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



29.5220, 0.5306, 0.4169



29.5220, 0.1649, 0.3783



29.5220, 0.2314, 0.1703

Complementary

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



29.5220, 0.5306, 0.4169



15.0735, 0.1729, 0.1424

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.



29.5220, 0.1593, 0.1608



29.5220, 0.5306, 0.4169



29.5220, 0.1262, 0.2508

Square

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



29.5220, 0.5306, 0.4169



29.5220, 0.2478, 0.5190



29.5220, 0.1260, 0.1832



29.5220, 0.3452, 0.2075

Rectangle

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



29.5220, 0.5306, 0.4169



29.5220, 0.3897, 0.5467



29.5220, 0.1260, 0.1832



29.5220, 0.2026, 0.1639

Sweetspot

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



29.5236, 0.5306, 0.4169



75.5937, 0.3679, 0.3715



16.8543, 0.5129, 0.2599



15.5444, 0.3773, 0.3777



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.



29.5236, 0.5306, 0.4169



39.3738, 0.5316, 0.4161



67.9782, 0.4135, 0.5099



14.9213, 0.3279, 0.3417



17.4209, 0.5284, 0.4186



1.3861, 0.5071, 0.4356

Inverse Universe

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



15.0735, 0.1729, 0.1424



19.9940, 0.1726, 0.1412



5.4289, 0.1508, 0.0604



14.2763, 0.2981, 0.3160



9.0000, 0.1737, 0.1452



0.8014, 0.1818, 0.1745

Previews

White Background



This preview shows how the Yxy color 29.5220, 0.5306, 0.4169 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5220, 0.5306, 0.4169 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.5220, 0.5306, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 29.5220, 0.5306, 0.4169.



This preview shows how white text looks on a background with the Yxy color 29.5220, 0.5306, 0.4169.

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

29.5220, 0.5306, 0.4169

Protanopia

29.7574, 0.4358, 0.4838

Deuteranopia

29.6145, 0.4708, 0.4644



Tritanopia

29.6603, 0.4475, 0.3215

Trichromacy



Original Color

29.5220, 0.5306, 0.4169

Protanomaly

29.1831, 0.4722, 0.4587

Deuteranomaly

29.3296, 0.4928, 0.4469

Tritanomaly

29.3435, 0.4965, 0.3714

Monochromacy



Original Color

29.5220, 0.5306, 0.4169

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.6421, 0.4070, 0.3957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5220, 0.5306, 0.4169 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(224, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.5220, 0.5306, 0.4169 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(224, 121, 0) }
```

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

```
.border{ border-color:rgb(224, 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(224, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5220, 0.5306, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 121, 0) }
```

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

```
.background{ background-color: rgb(224,  
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](#).

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