

Converting Colors

$Y_{xy}(30.2805, 0.5107, 0.4327)$

Have a look what the booklet for
Yxy(30.2805, 0.5107, 0.4327)
contains.

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Color

Yxy(30.2614, 0.5107, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	D68200
RGB	214, 130, 0
RGB Percent	84%, 51%, 0%
CMY	0.1607, 0.4902, 1.0000
CMYK	0.00, 0.39, 1.00, 0.16
HSL	36°, 100%, 42%
HSV	36°, 100%, 84%
XYZ	35.7164, 30.2614, 3.9584
YIQ	140.2960, 91.7940, -22.6220

Conversions

Conversions Part 2

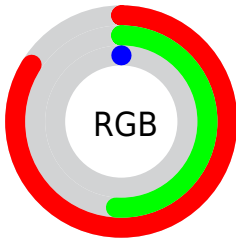
Format	Color
RYB	138, 214, 0
Decimal	14057984
CIELab	61.88, 25.13, 68.02
CIElCh	62, 72.512, 69.727
Yxy	30.2614, 0.5107, 0.4327
Android (android.graphics.Color)	4292248064 (0xFFD68200)
YUV	140.2960, -69.1659, 64.6384
Hunter-Lab	55.0104, 19.6261, 34.2409

Details

The Yxy color **30.2614, 0.5107, 0.4327** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **11.1981, 0.1673, 0.1224**, and the grayscale version is **26.5958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5819, 0.4617, 0.4327**, and **12.5096, 0.5320, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **30.2626, 0.5107, 0.4327**, and if you desaturate by 10%, it is **32.6456, 0.4953, 0.4368**.

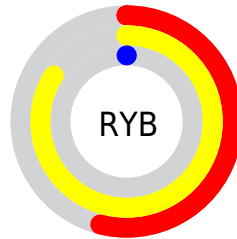
Distribution



Red (84%)

Green (51%)

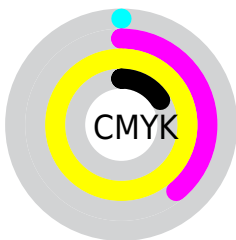
Blue (0%)



Red (54%)

Yellow (84%)

Blue (0%)

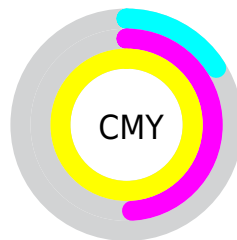


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2614, 0.5107, 0.4327 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 30.2614, 0.5107, 0.4327 by changing the saturation by 10% instead.


 30.2614, 0.5107,
0.4327


 30.2614, 0.5107,
0.4327


303.1210, 0.4145,
0.3936


 20.0371, 0.5298,
0.4354


 60.0753, 0.4786,
0.4233

 12.4220, 0.5532,
0.4365


 80.4337, 0.4655,
0.4183

 7.0318, 0.5729,
0.4271


 104.9389, 0.4541,
0.4134

 3.4820, 0.5935,
0.4065

 133.9753, 0.4441,
0.4088

 1.3882, 0.6269,
0.3731

 167.9274, 0.4353,
0.4045


 0.2080, 0.7959,
0.2041


 207.1794, 0.4275,


 0.0000, 0.0000,


0.4006

0.0000

 252.1158, 0.4206,
0.3969


 30.2614, 0.5107,
0.4327


 30.2614, 0.5107,
0.4327

 30.2626, 0.5107,
0.4327

 32.6456, 0.4953,
0.4368

 35.2767, 0.4768,
0.4361

 38.1806, 0.4556,
0.4303

 41.3728, 0.4328,
0.4203

 44.8665, 0.4096,
0.4071

■ 48.6739, 0.3871,
0.3920

■ 52.8060, 0.3658,
0.3760

■ 57.2733, 0.3463,
0.3598

■ 62.0856, 0.3286,
0.3440

Harmonies

Analogous

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



30.2614, 0.5358, 0.3555



30.2614, 0.5107, 0.4327



30.2614, 0.4334, 0.5098

Triad

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



30.2614, 0.5107, 0.4327



30.2614, 0.1610, 0.3474



30.2614, 0.2553, 0.1822

Complementary

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



30.2614, 0.5107, 0.4327



11.1981, 0.1673, 0.1224

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.



30.2614, 0.1771, 0.1674



30.2614, 0.5107, 0.4327



30.2614, 0.1312, 0.2380

Square

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



30.2614, 0.5107, 0.4327



30.2614, 0.2332, 0.4839



30.2614, 0.1374, 0.1826



30.2614, 0.3695, 0.2235

Rectangle

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



30.2614, 0.5107, 0.4327



30.2614, 0.3678, 0.5436



30.2614, 0.1374, 0.1826



30.2614, 0.2247, 0.1742

Sweetspot

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



30.2630, 0.5107, 0.4327



78.3285, 0.3665, 0.3765



14.9632, 0.5402, 0.2750



16.1940, 0.3753, 0.3834



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.



30.2630, 0.5107, 0.4327



44.6689, 0.5118, 0.4318



59.3842, 0.4017, 0.5192



13.6635, 0.3276, 0.3431



18.4979, 0.5090, 0.4341



1.2748, 0.4894, 0.4496

Inverse Universe

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



11.1981, 0.1673, 0.1224



16.3538, 0.1669, 0.1207



5.0195, 0.1530, 0.0617



12.8004, 0.2982, 0.3144



6.9570, 0.1681, 0.1251



0.5784, 0.1777, 0.1598

Previews

White Background



This preview shows how the Yxy color 30.2614, 0.5107, 0.4327 looks on a white background.

Color Contrast Check

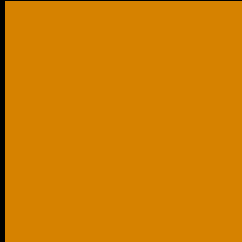
Large Text (above 18pt) WCAG AA × Fail

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 30.2614, 0.5107, 0.4327 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 30.2614, 0.5107, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 30.2614, 0.5107, 0.4327.



This preview shows how white text looks on a background with the Yxy color 30.2614, 0.5107, 0.4327.

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

30.2614, 0.5107, 0.4327

Protanopia

30.2851, 0.4375, 0.4842

Deuteranopia

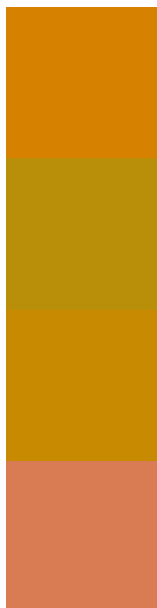
30.2932, 0.4725, 0.4631



Tritanopia

30.3465, 0.4206, 0.3185

Trichromacy



Original Color

30.2614, 0.5107, 0.4327

Protanomaly

29.9811, 0.4643, 0.4658

Deuteranomaly

30.3191, 0.4865, 0.4519

Tritanomaly

29.7916, 0.4724, 0.3764

Monochromacy



Original Color

30.2614, 0.5107, 0.4327

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.5451, 0.4006, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2614, 0.5107, 0.4327 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(214, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 130, 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(214, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.2614, 0.5107, 0.4327 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(214, 130, 0) }
```

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

```
.border{ border-color:rgb(214, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 130,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2614, 0.5107, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 130, 0) }
```

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

```
.background{ background-color: rgb(214,  
130, 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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