

Converting Colors

$Yxy(28.3461, 0.5337, 0.4145)$

Have a look what the booklet for
Yxy(28.3461, 0.5337, 0.4145)
contains.

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Color

Yxy(28.4865, 0.5331, 0.4149)

Conversions

Conversions Part 1

Format	Color
Hex	DE7600
RGB	222, 118, 0
RGB Percent	87%, 46%, 0%
CMY	0.1294, 0.5372, 0.9998
CMYK	0.00, 0.47, 1.00, 0.13
HSL	32°, 100%, 44%
HSV	32°, 100%, 87%
XYZ	36.6020, 28.4865, 3.5703
YIQ	135.6440, 99.8620, -14.6500

Conversions

Conversions Part 2

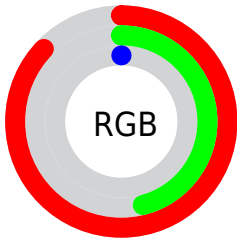
Format	Color
R _Y B	196, 222, 0
Decimal	14579200
CIE Lab	60.33, 34.78, 67.58
CIE LCh	60, 76.006, 62.769
Yxy	28.4865, 0.5331, 0.4149
Android (android.graphics.Color)	4292769280 (0xFFDE7600)
YUV	135.6440, -66.8725, 75.7342
Hunter-Lab	53.3727, 29.0094, 33.3948

Details

The Yxy color **28.4865, 0.5331, 0.4149** 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 **15.1800, 0.1737, 0.1454**, and the grayscale version is **24.7103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8155, 0.4734, 0.4230**, and **11.6078, 0.5607, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **28.4834, 0.5331, 0.4149**, and if you desaturate by 10%, it is **31.1332, 0.5144, 0.4210**.

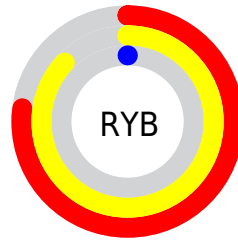
Distribution



Red (87%)

Green (46%)

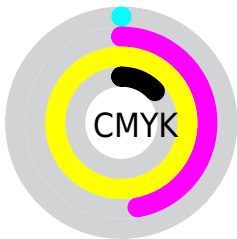
Blue (0%)



Red (77%)

Yellow (87%)

Blue (0%)

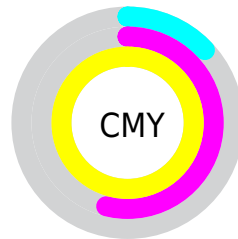


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4865, 0.5331, 0.4149 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 28.4865, 0.5331, 0.4149 by changing the saturation by 10% instead.


 28.4865, 0.5331,
0.4149


 28.4865, 0.5331,
0.4149


294.7843, 0.4244,
0.3873

 18.6927, 0.5552,
0.4139


 57.2602, 0.4965,
0.4103


 11.4485, 0.5840,
0.4112

 77.0090, 0.4816,
0.4069


 6.3693, 0.6061,
0.3939


 100.8448, 0.4687,
0.4033


 3.0709, 0.6344,
0.3656

 129.1521, 0.4575,
0.3997

 1.1689, 0.6794,
0.3206

 162.3154, 0.4476,
0.3963

 0.0361, 0.9608,
0.0392


 200.7189, 0.4389,


 0.0000, 0.0000,


0.3931


0.0000

 244.7471, 0.4312,
0.3901


 28.4865, 0.5331,
0.4149


 28.4865, 0.5331,
0.4149

 28.4834, 0.5331,
0.4149

 31.1332, 0.5144,
0.4210

 34.1244, 0.4923,
0.4222

 37.4915, 0.4673,
0.4181

 41.2546, 0.4411,
0.4096

 45.4314, 0.4151,
0.3981

■ 50.0383, 0.3904,
0.3847

■ 55.0903, 0.3676,
0.3704

■ 60.6016, 0.3470,
0.3561

■ 66.5857, 0.3288,
0.3422

Harmonies

Analogous

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



28.4865, 0.5446, 0.3364



28.4865, 0.5331, 0.4149



28.4865, 0.4592, 0.4996

Triad

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



28.4865, 0.5331, 0.4149



28.4865, 0.1654, 0.3824



28.4865, 0.2285, 0.1688

Complementary

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



28.4865, 0.5331, 0.4149



15.1800, 0.1737, 0.1454

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.



28.4865, 0.1572, 0.1599



28.4865, 0.5331, 0.4149



28.4865, 0.1256, 0.2525

Square

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



28.4865, 0.5331, 0.4149



28.4865, 0.2496, 0.5234



28.4865, 0.1246, 0.1833



28.4865, 0.3422, 0.2055

Rectangle

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



28.4865, 0.5331, 0.4149



28.4865, 0.3924, 0.5468



28.4865, 0.1246, 0.1833



28.4865, 0.1999, 0.1626

Sweetspot

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



28.4880, 0.5331, 0.4149



75.2408, 0.3681, 0.3708



16.5980, 0.5056, 0.2559



15.4608, 0.3776, 0.3769



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.



28.4880, 0.5331, 0.4149



38.7368, 0.5342, 0.4140



67.1914, 0.4164, 0.5076



14.9007, 0.3279, 0.3415



17.1441, 0.5310, 0.4166



1.3672, 0.5091, 0.4339

Inverse Universe

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



15.1800, 0.1737, 0.1454



20.5253, 0.1734, 0.1440



5.2987, 0.1504, 0.0602



14.2968, 0.2981, 0.3162



9.2327, 0.1745, 0.1480



0.8180, 0.1825, 0.1771

Previews

White Background



This preview shows how the Yxy color 28.4865, 0.5331, 0.4149 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 28.4865, 0.5331, 0.4149 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 28.4865, 0.5331, 0.4149

Background



This preview shows how black text looks on a background with the Yxy color 28.4865, 0.5331, 0.4149.



This preview shows how white text looks on a background with the Yxy color 28.4865, 0.5331, 0.4149.

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

28.4865, 0.5331, 0.4149

Protanopia

28.6041, 0.4371, 0.4825

Deuteranopia

28.6556, 0.4703, 0.4648



Tritanopia

28.6050, 0.4512, 0.3214

Trichromacy



Original Color

28.4865, 0.5331, 0.4149

Protanomaly

28.0740, 0.4741, 0.4570

Deuteranomaly

28.2384, 0.4950, 0.4451

Tritanomaly

28.3122, 0.4997, 0.3704

Monochromacy



Original Color

28.4865, 0.5331, 0.4149

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.6041, 0.4079, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4865, 0.5331, 0.4149 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(222, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 118, 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(222, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.4865, 0.5331, 0.4149 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(222, 118, 0) }
```

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

```
.border{ border-color:rgb(222, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4865, 0.5331, 0.4149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 118, 0) }
```

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

```
.background{ background-color: rgb(222,  
118, 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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