

Converting Colors

$Y_{xy}(26.5122, 0.5229, 0.4230)$

Have a look what the booklet for
Yxy(26.5122, 0.5229, 0.4230)
contains.

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Color

Yxy(26.5122, 0.5229, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	D17600
RGB	209, 118, 0
RGB Percent	82%, 46%, 0%
CMY	0.1804, 0.5372, 0.9999
CMYK	0.00, 0.44, 1.00, 0.18
HSL	34°, 100%, 41%
HSV	34°, 100%, 82%
XYZ	32.7736, 26.5122, 3.3908
YIQ	131.7570, 92.1140, -17.4060

Conversions

Conversions Part 2

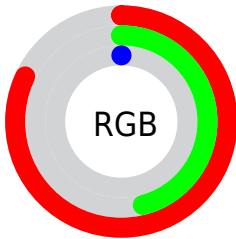
Format	Color
R _Y B	161, 209, 0
Decimal	13727232
CIE Lab	58.52, 29.41, 65.56
CIE LCh	59, 71.854, 65.840
Yxy	26.5122, 0.5229, 0.4230
Android (android.graphics.Color)	4291917312 (0xFFD17600)
YUV	131.7570, -64.9562, 67.7421
Hunter-Lab	51.4900, 23.5085, 32.1385

Details

The Yxy color **26.5122, 0.5229, 0.4230** 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 **12.0915, 0.1710, 0.1356**, and the grayscale version is **23.1983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8032, 0.4740, 0.4236**, and **10.4301, 0.5498, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **26.5099, 0.5229, 0.4230**, and if you desaturate by 10%, it is **28.8156, 0.5055, 0.4280**.

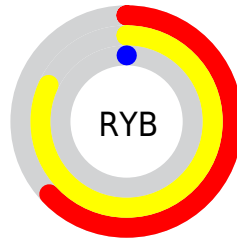
Distribution



Red (82%)

Green (46%)

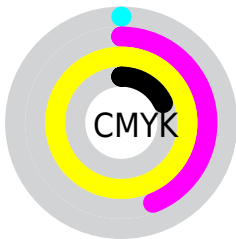
Blue (0%)



Red (63%)

Yellow (82%)

Blue (0%)

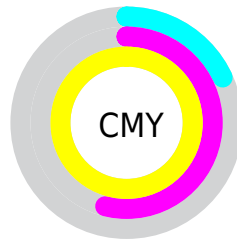


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5122, 0.5229, 0.4230 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 26.5122, 0.5229, 0.4230 by changing the saturation by 10% instead.


 26.5122, 0.5229,
0.4230


 26.5122, 0.5229,
0.4230


285.2875, 0.4180,
0.3893


 17.2072, 0.5444,
0.4237


 54.1001, 0.4873,
0.4160

 10.3823, 0.5738,
0.4238

 73.1518, 0.4730,
0.4116

 5.6532, 0.5931,
0.4069

 96.2212, 0.4605,
0.4073

 2.6354, 0.6202,
0.3798

 123.6927, 0.4497,
0.4032

 0.9445, 0.6650,
0.3350

 155.9507, 0.4402,
0.3993

 0.0000, 1.0000,
0.0000


 193.3795, 0.4319,


 0.0000, 0.0000,


0.3957


0.0000

 236.3637, 0.4246,
0.3924

 26.5122, 0.5229,
0.4230

 26.5122, 0.5229,
0.4230


 26.5099, 0.5229,
0.4230

 28.8156, 0.5055,
0.4280

 31.3883, 0.4850,
0.4283

 34.2567, 0.4617,
0.4233

 37.4367, 0.4370,
0.4141

 40.9422, 0.4123,
0.4019

■ 44.7861, 0.3887,
0.3877

■ 48.9800, 0.3666,
0.3727

■ 53.5352, 0.3466,
0.3576

■ 58.4620, 0.3286,
0.3429

Harmonies

Analogous

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



26.5122, 0.5407, 0.3450



26.5122, 0.5229, 0.4230



26.5122, 0.4475, 0.5045

Triad

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



26.5122, 0.5229, 0.4230



26.5122, 0.1635, 0.3660



26.5122, 0.2405, 0.1749

Complementary

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



26.5122, 0.5229, 0.4230



12.0915, 0.1710, 0.1356

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.



26.5122, 0.1661, 0.1634



26.5122, 0.5229, 0.4230



26.5122, 0.1282, 0.2458

Square

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



26.5122, 0.5229, 0.4230



26.5122, 0.2422, 0.5055



26.5122, 0.1304, 0.1830



26.5122, 0.3546, 0.2137

Rectangle

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



26.5122, 0.5229, 0.4230



26.5122, 0.3814, 0.5458



26.5122, 0.1304, 0.1830



26.5122, 0.2110, 0.1679

Sweetspot

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



26.5136, 0.5229, 0.4230



76.5709, 0.3674, 0.3733



14.3658, 0.5189, 0.2632



15.7762, 0.3766, 0.3797



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.



26.5136, 0.5229, 0.4230



41.1935, 0.5244, 0.4218



57.6830, 0.4106, 0.5122



12.8997, 0.3277, 0.3421



16.5443, 0.5210, 0.4245



1.0814, 0.4974, 0.4433

Inverse Universe

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



12.0915, 0.1710, 0.1356



18.5983, 0.1704, 0.1335



4.6720, 0.1513, 0.0607



12.2525, 0.2982, 0.3155



7.6414, 0.1717, 0.1382



0.5838, 0.1817, 0.1741

Previews

White Background



This preview shows how the Yxy color 26.5122, 0.5229, 0.4230 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 26.5122, 0.5229, 0.4230 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 26.5122, 0.5229, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 26.5122, 0.5229, 0.4230.



This preview shows how white text looks on a background with the Yxy color 26.5122, 0.5229, 0.4230.

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

26.5122, 0.5229, 0.4230

Protanopia

26.7574, 0.4357, 0.4842

Deuteranopia

26.6339, 0.4719, 0.4635



Tritanopia

26.6060, 0.4358, 0.3196

Trichromacy



Original Color

26.5122, 0.5229, 0.4230

Protanomaly

26.1463, 0.4689, 0.4612

Deuteranomaly

26.3855, 0.4915, 0.4479

Tritanomaly

26.3153, 0.4864, 0.3729

Monochromacy



Original Color

26.5122, 0.5229, 0.4230

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.2924, 0.4041, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5122, 0.5229, 0.4230 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(209, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.5122, 0.5229, 0.4230 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(209, 118, 0) }
```

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

```
.border{ border-color:rgb(209, 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(209, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5122, 0.5229, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 118, 0) }
```

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

```
.background{ background-color: rgb(209,  
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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