

Converting Colors

$Y_{xy}(28.8711, 0.5244, 0.4254)$

Have a look what the booklet for
Yxy(28.8711, 0.5244, 0.4254)
contains.

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Color

Yxy(28.9176, 0.5225, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	D97B00
RGB	217, 123, 0
RGB Percent	85%, 48%, 0%
CMY	0.1491, 0.5176, 0.9997
CMYK	0.00, 0.43, 1.00, 0.15
HSL	34°, 100%, 43%
HSV	34°, 100%, 85%
XYZ	35.6944, 28.9176, 3.7027
YIQ	137.0840, 95.5070, -18.3250

Conversions

Conversions Part 2

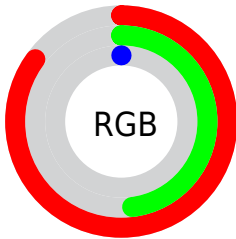
Format	Color
R _Y B	166, 217, 0
Decimal	14252800
CIE Lab	60.71, 30.10, 67.46
CIE LCh	61, 73.869, 65.958
Yxy	28.9176, 0.5225, 0.4233
Android (android.graphics.Color)	4292442880 (0xFFD97B00)
YUV	137.0840, -67.5824, 70.0863
Hunter-Lab	53.7751, 24.3770, 33.5602

Details

The Yxy color **28.9176, 0.5225, 0.4233** 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 **13.0239, 0.1707, 0.1345**, and the grayscale version is **25.2887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7403, 0.4689, 0.4276**, and **11.7336, 0.5471, 0.4038** is the 20% darker color. If you saturate the color by 10%, you get **28.9094, 0.5226, 0.4233**, and if you desaturate by 10%, it is **31.4218, 0.5053, 0.4284**.

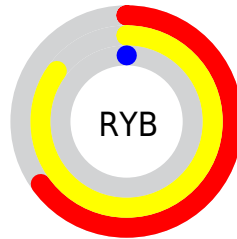
Distribution



Red (85%)

Green (48%)

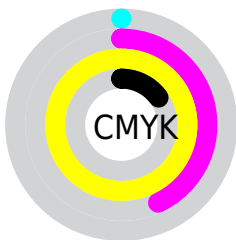
Blue (0%)



Red (65%)

Yellow (85%)

Blue (0%)

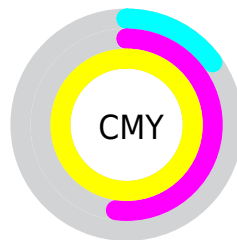


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9176, 0.5225, 0.4233 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 28.9176, 0.5225, 0.4233 by changing the saturation by 10% instead.


 28.9176, 0.5225,
0.4233


 28.9176, 0.5225,
0.4233


296.8260, 0.4194,
0.3902


 19.0185, 0.5433,
0.4241


 57.9461, 0.4879,
0.4164

 11.6836, 0.5699,
0.4232


 77.8444, 0.4738,
0.4122


 6.5286, 0.5908,
0.4092


 101.8444, 0.4616,
0.4079

 3.1691, 0.6158,
0.3842

 130.3307, 0.4509,
0.4039

 1.2206, 0.6561,
0.3439

 163.6876, 0.4415,
0.4001

 0.0785, 0.9116,
0.0884


 202.2995, 0.4333,

 0.0000, 0.0000,


0.3965

0.0000


 246.5508, 0.4259,
0.3932


 28.9176, 0.5225,
0.4233


 28.9176, 0.5225,
0.4233


 28.9094, 0.5226,
0.4233

 31.4218, 0.5053,
0.4284

 34.2185, 0.4849,
0.4287

 37.3359, 0.4617,
0.4238

 40.7913, 0.4371,
0.4146

 44.6000, 0.4124,
0.4023

■ 48.7760, 0.3887,
0.3881

■ 53.3320, 0.3667,
0.3730

■ 58.2801, 0.3466,
0.3578

■ 63.6317, 0.3286,
0.3430

Harmonies

Analogous

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



28.9176, 0.5405, 0.3454



28.9176, 0.5225, 0.4233



28.9176, 0.4471, 0.5047

Triad

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



28.9176, 0.5225, 0.4233



28.9176, 0.1634, 0.3654



28.9176, 0.2410, 0.1751

Complementary

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



28.9176, 0.5225, 0.4233



13.0239, 0.1707, 0.1345

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.



28.9176, 0.1665, 0.1635



28.9176, 0.5225, 0.4233



28.9176, 0.1283, 0.2456

Square

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



28.9176, 0.5225, 0.4233



28.9176, 0.2419, 0.5048



28.9176, 0.1307, 0.1830



28.9176, 0.3550, 0.2140

Rectangle

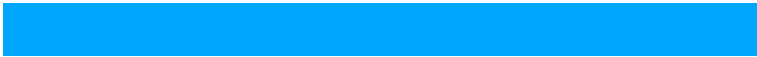
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.9176, 0.5225, 0.4233



28.9176, 0.3809, 0.5458



28.9176, 0.1307, 0.1830



28.9176, 0.2114, 0.1681

Sweetspot

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



28.9191, 0.5225, 0.4233



76.6618, 0.3674, 0.3735



15.5601, 0.5264, 0.2674



15.7977, 0.3765, 0.3799



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.



28.9191, 0.5225, 0.4233



41.3667, 0.5237, 0.4224



62.2451, 0.4076, 0.5145



14.2702, 0.3277, 0.3422



17.7175, 0.5207, 0.4248



1.3180, 0.4997, 0.4414

Inverse Universe

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



13.0239, 0.1707, 0.1345



18.4741, 0.1702, 0.1328



5.1085, 0.1518, 0.0610



13.5404, 0.2982, 0.3154



8.0813, 0.1714, 0.1371



0.6927, 0.1803, 0.1689

Previews

White Background



This preview shows how the Yxy color 28.9176, 0.5225, 0.4233 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 28.9176, 0.5225, 0.4233 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 28.9176, 0.5225, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 28.9176, 0.5225, 0.4233.



This preview shows how white text looks on a background with the Yxy color 28.9176, 0.5225, 0.4233.

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

28.9176, 0.5225, 0.4233

Protanopia

29.0149, 0.4375, 0.4834

Deuteranopia

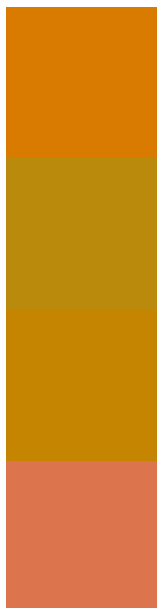
28.9043, 0.4724, 0.4631



Tritanopia

28.8368, 0.4356, 0.3187

Trichromacy



Original Color

28.9176, 0.5225, 0.4233

Protanomaly

28.5154, 0.4706, 0.4603

Deuteranomaly

28.6454, 0.4914, 0.4481

Tritanomaly

28.4883, 0.4871, 0.3725

Monochromacy



Original Color

28.9176, 0.5225, 0.4233

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.2976, 0.4044, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9176, 0.5225, 0.4233 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(217, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 123, 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(217, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.9176, 0.5225, 0.4233 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(217, 123, 0) }
```

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

```
.border{ border-color:rgb(217, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9176, 0.5225, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 123, 0) }
```

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

```
.background{ background-color: rgb(217,  
123, 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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