

Converting Colors

$Y_{xy}(27.8299, 0.5155, 0.4289)$

Have a look what the booklet for
Yxy(27.8299, 0.5155, 0.4289)
contains.

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Color

Yxy(27.7212, 0.5160, 0.4285)

Conversions

Conversions Part 1

Format	Color
Hex	D17B00
RGB	209, 123, 0
RGB Percent	82%, 48%, 0%
CMY	0.1803, 0.5177, 1.0000
CMYK	0.00, 0.41, 1.00, 0.18
HSL	35°, 100%, 41%
HSV	35°, 100%, 82%
XYZ	33.3819, 27.7212, 3.5905
YIQ	134.6920, 90.7390, -20.0210

Conversions

Conversions Part 2

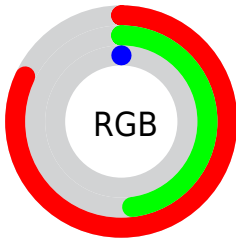
Format	Color
R_{YB}	146, 209, 0
Decimal	13728512
CIE _{Lab}	59.64, 26.75, 66.27
CIE _{LCh}	60, 71.469, 68.016
Yxy	27.7212, 0.5160, 0.4285
Android (android.graphics.Color)	4291918592 (0xFFD17B00)
YUV	134.6920, -66.4032, 65.1681
Hunter-Lab	52.6509, 21.0340, 32.8124

Details

The Yxy color **27.7212, 0.5160, 0.4285** 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 **11.2644, 0.1690, 0.1282**, and the grayscale version is **24.3346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7403, 0.4689, 0.4276**, and **11.0610, 0.5401, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **27.7227, 0.5160, 0.4285**, and if you desaturate by 10%, it is **30.0054, 0.4997, 0.4329**.

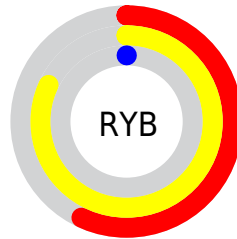
Distribution



Red (82%)

Green (48%)

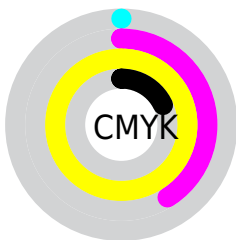
Blue (0%)



Red (57%)

Yellow (82%)

Blue (0%)

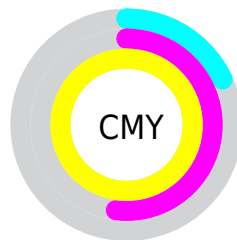


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7212, 0.5160, 0.4285 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 27.7212, 0.5160, 0.4285 by changing the saturation by 10% instead.


 27.7212, 0.5160,
0.4285


 27.7212, 0.5160,
0.4285


291.1323, 0.4155,
0.3915


 18.1156, 0.5364,
0.4303


 56.0390, 0.4821,
0.4200


 11.0330, 0.5630,
0.4313


 75.5200, 0.4684,
0.4152


 6.0890, 0.5822,
0.4178


 99.0616, 0.4565,
0.4105

 2.8993, 0.6061,
0.3939

 127.0482, 0.4461,
0.4061

 1.0794, 0.6456,
0.3544

 159.8642, 0.4370,
0.4020


 0.0000, 1.0000,
0.0000


 197.8939, 0.4289,

 0.0000, 0.0000,


0.3982

0.0000

 241.5218, 0.4218,
0.3947


 27.7212, 0.5160,
0.4285

 27.7212, 0.5160,
0.4285


 27.7227, 0.5160,
0.4285

 30.0054, 0.4997,
0.4329

 32.5386, 0.4803,
0.4326

 35.3462, 0.4582,
0.4272

 38.4434, 0.4346,
0.4175

 41.8434, 0.4108,
0.4048

■ 45.5580, 0.3877,
0.3901

■ 49.5983, 0.3662,
0.3745

■ 53.9747, 0.3464,
0.3588

■ 58.6969, 0.3286,
0.3436

Harmonies

Analogous

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



27.7212, 0.5380, 0.3509



27.7212, 0.5160, 0.4285



27.7212, 0.4395, 0.5076

Triad

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



27.7212, 0.5160, 0.4285



27.7212, 0.1621, 0.3553



27.7212, 0.2488, 0.1790

Complementary

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



27.7212, 0.5160, 0.4285



11.2644, 0.1690, 0.1282

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.



27.7212, 0.1723, 0.1656



27.7212, 0.5160, 0.4285



27.7212, 0.1299, 0.2413

Square

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



27.7212, 0.5160, 0.4285



27.7212, 0.2371, 0.4932



27.7212, 0.1344, 0.1828



27.7212, 0.3630, 0.2192

Rectangle

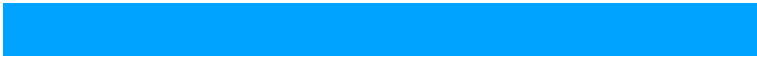
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.7212, 0.5160, 0.4285



27.7212, 0.3737, 0.5447



27.7212, 0.1344, 0.1828



27.7212, 0.2187, 0.1715

Sweetspot

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



27.7227, 0.5160, 0.4285



77.5453, 0.3669, 0.3751



14.2480, 0.5330, 0.2710



16.0076, 0.3759, 0.3818



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.



27.7227, 0.5160, 0.4285



43.0883, 0.5173, 0.4274



56.7659, 0.4047, 0.5169



12.9477, 0.3276, 0.3427



17.2876, 0.5142, 0.4299



1.1209, 0.4922, 0.4474

Inverse Universe

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



11.2644, 0.1690, 0.1282



17.3132, 0.1684, 0.1262



4.7276, 0.1524, 0.0613



12.2054, 0.2982, 0.3150



7.1276, 0.1697, 0.1309



0.5532, 0.1799, 0.1675

Previews

White Background



This preview shows how the Yxy color 27.7212, 0.5160, 0.4285 looks on a white background.

Color Contrast Check

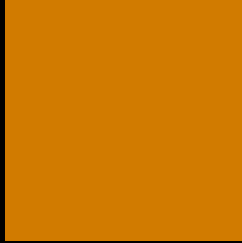
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7212, 0.5160, 0.4285 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 27.7212, 0.5160, 0.4285

Background



This preview shows how black text looks on a background with the Yxy color 27.7212, 0.5160, 0.4285.



This preview shows how white text looks on a background with the Yxy color 27.7212, 0.5160, 0.4285.

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

27.7212, 0.5160, 0.4285

Protanopia

28.0747, 0.4368, 0.4843

Deuteranopia

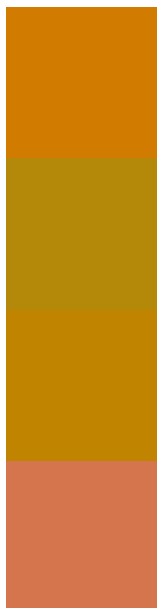
27.8364, 0.4709, 0.4643



Tritanopia

27.6108, 0.4268, 0.3182

Trichromacy



Original Color

27.7212, 0.5160, 0.4285

Protanomaly

27.6165, 0.4669, 0.4634

Deuteranomaly

27.7090, 0.4879, 0.4508

Tritanomaly

27.2697, 0.4793, 0.3746

Monochromacy



Original Color

27.7212, 0.5160, 0.4285

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.5859, 0.4014, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7212, 0.5160, 0.4285 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, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.7212, 0.5160, 0.4285 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, 123, 0) }
```

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

```
.border{ border-color:rgb(209, 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(209, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7212, 0.5160, 0.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 123, 0) }
```

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

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