

Converting Colors

$Y_{xy}(27.8041, 0.5079, 0.4203)$

Have a look what the booklet for
Yxy(27.8041, 0.5079, 0.4203)
contains.

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Color

Yxy(27.8099, 0.5078, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	D17B1D
RGB	209, 123, 29
RGB Percent	82%, 48%, 11%
CMY	0.1804, 0.5176, 0.8864
CMYK	0.00, 0.41, 0.86, 0.18
HSL	31°, 76%, 47%
HSV	31°, 86%, 82%
XYZ	33.5995, 27.8099, 4.7574
YIQ	137.9980, 81.4300, -11.0020

Conversions

Conversions Part 2

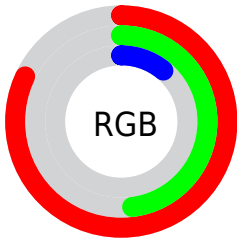
Format	Color
RYB	194, 209, 29
Decimal	13728541
CIELab	59.72, 27.17, 60.10
CIELCh	60, 65.960, 65.673
Yxy	27.8099, 0.5078, 0.4203
Android (android.graphics.Color)	4291918621 (0xFFD17B1D)
YUV	137.9980, -53.7360, 62.2688
Hunter-Lab	52.7351, 21.4426, 31.5658

Details

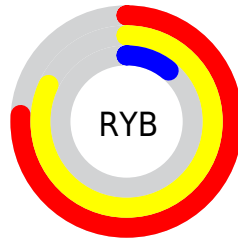
The Yxy color **27.8099, 0.5078, 0.4203** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.1191, 0.1853, 0.1748**, and the grayscale version is **25.6004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9508, 0.4601, 0.4174**, and **11.0610, 0.5401, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **25.3883, 0.5280, 0.4157**, and if you desaturate by 10%, it is **30.5568, 0.4839, 0.4194**.

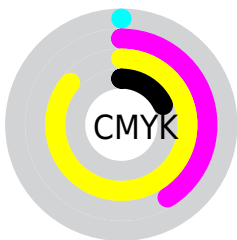
Distribution



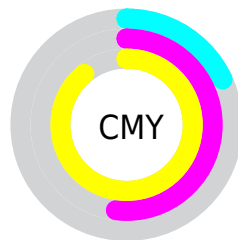
- Red (82%)
- Green (48%)
- Blue (11%)



- Red (76%)
- Yellow (82%)
- Blue (11%)



- Cyan (0%)
- Magenta (41%)
- Yellow (86%)
- Black (18%)





- Cyan (18%)
- Magenta (52%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8099, 0.5078, 0.4203 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 27.8099, 0.5078, 0.4203 by changing the saturation by 10% instead.


 27.8099, 0.5078,
0.4203


 27.8099, 0.5078,
0.4203


291.5574, 0.4090,
0.3847


 18.1824, 0.5293,
0.4231


 56.1808, 0.4735,
0.4114


 11.0810, 0.5546,
0.4230


 75.6930, 0.4599,
0.4067


 6.1214, 0.5834,
0.4166

 99.2689, 0.4483,
0.4023

 2.9190, 0.6075,
0.3925

 127.2928, 0.4382,
0.3981

 1.0896, 0.6472,
0.3528

 160.1493, 0.4295,
0.3943

 0.0000, 1.0000,
0.0000

 198.2226, 0.4218,

 0.0000, 0.0000,

0.3908

0.0000

241.8972, 0.4150,
0.3876

■ 27.8099, 0.5078,
0.4203

■ 27.8099, 0.5078,
0.4203

■ 25.3883, 0.5280,
0.4157

■ 30.5568, 0.4839,
0.4194

■ 24.5281, 0.5353,
0.4131

■ 33.6443, 0.4579,
0.4136

■ 37.0908, 0.4313,
0.4040

■ 40.9114, 0.4055,
0.3918

■ 45.1201, 0.3814,
0.3783

■ 49.7300, 0.3594,
0.3642

■ 54.7534, 0.3397,
0.3502

■ 60.2019, 0.3223,
0.3368

■ 66.0867, 0.3071,
0.3242

Harmonies

Analogous

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



27.8099, 0.5204, 0.3470



27.8099, 0.5078, 0.4203



27.8099, 0.4410, 0.4930

Triad

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



27.8099, 0.5078, 0.4203



27.8099, 0.1766, 0.3643



27.8099, 0.2467, 0.1858

Complementary

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



27.8099, 0.5078, 0.4203



17.1191, 0.1853, 0.1748

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.



27.8099, 0.1768, 0.1753



27.8099, 0.5078, 0.4203



27.8099, 0.1417, 0.2553

Square

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



27.8099, 0.5078, 0.4203



27.8099, 0.2509, 0.4862



27.8099, 0.1429, 0.1952



27.8099, 0.3509, 0.2223

Rectangle

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



27.8099, 0.5078, 0.4203



27.8099, 0.3804, 0.5269



27.8099, 0.1429, 0.1952



27.8099, 0.2191, 0.1792

Sweetspot

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



27.8114, 0.5078, 0.4203



77.8727, 0.3597, 0.3644



15.6937, 0.4702, 0.2469



16.1109, 0.3672, 0.3694



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.



27.8114, 0.5078, 0.4203



38.0872, 0.5369, 0.4119



58.8126, 0.4135, 0.5016



12.8153, 0.3278, 0.3412



15.3217, 0.5332, 0.4148



1.0151, 0.5068, 0.4358

Inverse Universe

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



17.1191, 0.1853, 0.1748



21.0924, 0.1742, 0.1470



5.7876, 0.1585, 0.0732



12.3360, 0.2982, 0.3165



8.6336, 0.1754, 0.1516



0.6412, 0.1850, 0.1859

Previews

White Background



This preview shows how the Yxy color 27.8099, 0.5078, 0.4203 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 27.8099, 0.5078, 0.4203 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 27.8099, 0.5078, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 27.8099, 0.5078, 0.4203.



This preview shows how white text looks on a background with the Yxy color 27.8099, 0.5078, 0.4203.

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

27.8099, 0.5078, 0.4203

Protanopia

28.0535, 0.4289, 0.4751

Deuteranopia

27.8869, 0.4665, 0.4587



Tritanopia

27.8377, 0.4263, 0.3195

Trichromacy



Original Color

27.8099, 0.5078, 0.4203

Protanomaly

27.5848, 0.4582, 0.4545

Deuteranomaly

27.7709, 0.4823, 0.4444

Tritanomaly

27.6752, 0.4660, 0.3640

Monochromacy



Original Color

27.8099, 0.5078, 0.4203

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.5494, 0.3891, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8099, 0.5078, 0.4203 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(209, 123, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 123, 29) }
```

Border

The CSS property to change the border of an element to Yxy 27.8099, 0.5078, 0.4203 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, 29) }
```

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

```
.border{ border-color:rgb(209, 123, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 123, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 123, 29);  
box-shadow:4px 4px 4px 4px rgb(209, 123,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8099, 0.5078, 0.4203 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, 29) }
```

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

```
.background{ background-color: rgb(209,  
123, 29) }
```

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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