

Converting Colors

$Y_{xy}(28.0870, 0.5030, 0.4151)$

Have a look what the booklet for
Yxy(28.0870, 0.5030, 0.4151)
contains.

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Color

Yxy(28.0140, 0.5036, 0.4146)

Conversions

Conversions Part 1

Format	Color
Hex	D27B27
RGB	210, 123, 39
RGB Percent	82%, 48%, 15%
CMY	0.1765, 0.5176, 0.8473
CMYK	0.00, 0.41, 0.81, 0.18
HSL	29°, 69%, 49%
HSV	29°, 81%, 82%
XYZ	34.0276, 28.0140, 5.5271
YIQ	139.4370, 78.8160, -7.6800

Conversions

Conversions Part 2

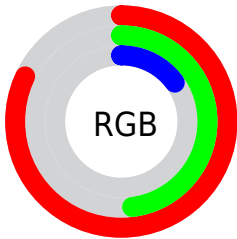
Format	Color
R _Y B	210, 204, 39
Decimal	13794087
CIE Lab	59.90, 27.87, 56.81
CIE LCh	60, 63.280, 63.868
Yxy	28.0140, 0.5036, 0.4146
Android (android.graphics.Color)	4291984167 (0xFFD27B27)
YUV	139.4370, -49.5154, 61.8838
Hunter-Lab	52.9283, 22.1334, 30.8583

Details

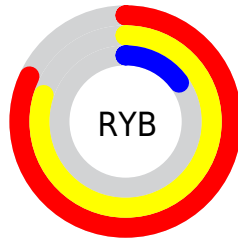
The Yxy color **28.0140, 0.5036, 0.4146** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **19.9876, 0.1921, 0.1928**, and the grayscale version is **26.1666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0660, 0.4555, 0.4121**, and **11.1546, 0.5412, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **25.4060, 0.5272, 0.4119**, and if you desaturate by 10%, it is **30.9910, 0.4769, 0.4120**.

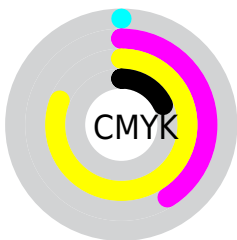
Distribution



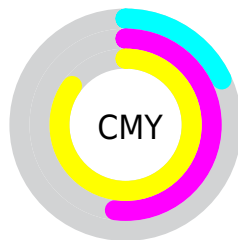
- Red (82%)
- Green (48%)
- Blue (15%)



- Red (82%)
- Yellow (80%)
- Blue (15%)



- Cyan (0%)
- Magenta (41%)
- Yellow (81%)
- Black (18%)





- Cyan (18%)
- Magenta (52%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0140, 0.5036, 0.4146 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 28.0140, 0.5036, 0.4146 by changing the saturation by 10% instead.


 28.0140, 0.5036,
0.4146


 28.0140, 0.5036,
0.4146


292.5338, 0.4059,
0.3808

 18.3362, 0.5256,
0.4176


 56.5068, 0.4692,
0.4059

 11.1916, 0.5512,
0.4176


 76.0906, 0.4557,
0.4014

 6.1959, 0.5853,
0.4147

 99.7452, 0.4443,
0.3972

 2.9646, 0.6097,
0.3903

 127.8550, 0.4344,
0.3933

 1.1133, 0.6497,
0.3503

 160.8043, 0.4258,
0.3897

 0.0000, 1.0000,
0.0000

 198.9776, 0.4183,

 0.0000, 0.0000,

0.3864

0.0000

242.7593, 0.4117,
0.3835

■ 28.0140, 0.5036,
0.4146

■ 28.0140, 0.5036,
0.4146

■ 25.4060, 0.5272,
0.4119

■ 30.9910, 0.4769,
0.4120

■ 23.4438, 0.5445,
0.4059

■ 34.3525, 0.4490,
0.4049

■ 38.1178, 0.4214,
0.3946

■ 42.3030, 0.3954,
0.3824

■ 46.9233, 0.3716,
0.3693

■ 51.9929, 0.3502,
0.3560

■ 57.5250, 0.3314,
0.3430

■ 63.5326, 0.3149,
0.3307

■ 70.0278, 0.3006,
0.3192

Harmonies

Analogous

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



28.0140, 0.5105, 0.3436



28.0140, 0.5036, 0.4146



28.0140, 0.4426, 0.4843

Triad

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



28.0140, 0.5036, 0.4146



28.0140, 0.1851, 0.3706



28.0140, 0.2443, 0.1891

Complementary

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



28.0140, 0.5036, 0.4146



19.9876, 0.1921, 0.1928

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.



28.0140, 0.1785, 0.1807



28.0140, 0.5036, 0.4146



28.0140, 0.1483, 0.2639

Square

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



28.0140, 0.5036, 0.4146



28.0140, 0.2595, 0.4838



28.0140, 0.1473, 0.2025



28.0140, 0.3430, 0.2232

Rectangle

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



28.0140, 0.5036, 0.4146



28.0140, 0.3850, 0.5173



28.0140, 0.1473, 0.2025



28.0140, 0.2183, 0.1832

Sweetspot

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



28.0155, 0.5036, 0.4146



78.3910, 0.3560, 0.3597



16.6895, 0.4475, 0.2398



16.1702, 0.3636, 0.3645



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.



28.0155, 0.5036, 0.4146



36.6867, 0.5423, 0.4062



58.5482, 0.4161, 0.4942



12.7538, 0.3278, 0.3404



14.5001, 0.5422, 0.4077



0.9694, 0.5138, 0.4303

Inverse Universe

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



19.9876, 0.1921, 0.1928



23.8064, 0.1783, 0.1608



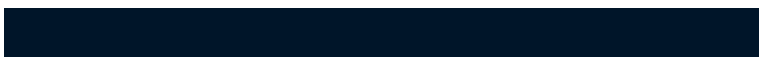
6.7240, 0.1629, 0.0824



12.3973, 0.2982, 0.3173



9.4286, 0.1783, 0.1618



0.6859, 0.1874, 0.1947

Previews

White Background



This preview shows how the Yxy color 28.0140, 0.5036, 0.4146 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 28.0140, 0.5036, 0.4146 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 28.0140, 0.5036, 0.4146

Background



This preview shows how black text looks on a background with the Yxy color 28.0140, 0.5036, 0.4146.



This preview shows how white text looks on a background with the Yxy color 28.0140, 0.5036, 0.4146.

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

28.0140, 0.5036, 0.4146

Protanopia

28.1216, 0.4237, 0.4672

Deuteranopia

27.9462, 0.4614, 0.4523



Tritanopia

27.9877, 0.4274, 0.3195

Trichromacy



Original Color

28.0140, 0.5036, 0.4146

Protanomaly

27.6494, 0.4528, 0.4476

Deuteranomaly

27.8303, 0.4771, 0.4384

Tritanomaly

27.8757, 0.4635, 0.3604

Monochromacy



Original Color

28.0140, 0.5036, 0.4146

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.7537, 0.3846, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0140, 0.5036, 0.4146 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(210, 123, 39)` looks like.

```
.text, #text, p{  
    color:rgb(210, 123, 39)  
}
```

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(210, 123, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 123, 39) }
```

Border

The CSS property to change the border of an element to Yxy 28.0140, 0.5036, 0.4146 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(210, 123, 39) }
```

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

```
.border{ border-color:rgb(210, 123, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 123, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 123, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 123, 39);  
box-shadow:4px 4px 4px 4px rgb(210, 123,  
39) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 28.0140, 0.5036, 0.4146$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 123, 39) }
```

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

```
.background{ background-color: rgb(210,  
123, 39) }
```

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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