

Converting Colors

$Y_{xy}(28.5646, 0.4678, 0.4147)$

Have a look what the booklet for
Yxy(28.5646, 0.4678, 0.4147)
contains.

Yxy(28.5646, 0.4678, 0.4147)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5646, 0.4678, 0.4147)

Conversions

Conversions Part 1

Format	Color
Hex	C6833C
RGB	198, 131, 60
RGB Percent	78%, 51%, 24%
CMY	0.2235, 0.4863, 0.7646
CMYK	0.00, 0.34, 0.70, 0.22
HSL	31°, 55%, 51%
HSV	31°, 70%, 78%
XYZ	32.2221, 28.5646, 8.0934
YIQ	142.9390, 62.7230, -7.8770

Conversions

Conversions Part 2

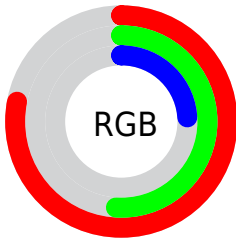
Format	Color
RYB	190, 198, 60
Decimal	13009724
CIELab	60.40, 19.35, 47.62
CIElCh	60, 51.404, 67.890
Yxy	28.5646, 0.4678, 0.4147
Android (android.graphics.Color)	4291199804 (0xFFC6833C)
YUV	142.9390, -40.8889, 48.2885
Hunter-Lab	53.4459, 14.0861, 28.4337

Details

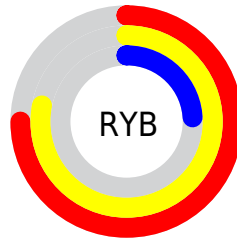
The Yxy color **28.5646, 0.4678, 0.4147** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **20.2249, 0.2043, 0.2103**, and the grayscale version is **27.5919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6887, 0.4353, 0.4029**, and **11.4735, 0.5122, 0.4261** is the 20% darker color. If you saturate the color by 10%, you get **25.9301, 0.4936, 0.4188**, and if you desaturate by 10%, it is **31.5200, 0.4410, 0.4064**.

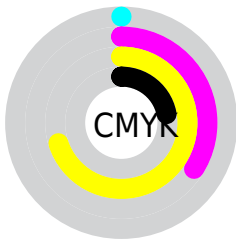
Distribution



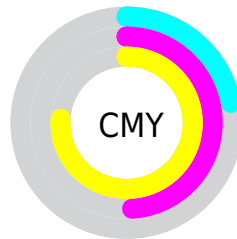
- Red (78%)
- Green (51%)
- Blue (24%)



- Red (75%)
- Yellow (78%)
- Blue (24%)



- Cyan (0%)
- Magenta (34%)
- Yellow (70%)
- Black (22%)




- Cyan (22%)
- Magenta (49%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5646, 0.4678, 0.4147 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 28.5646, 0.4678, 0.4147 by changing the saturation by 10% instead.


 28.5646, 0.4678,
0.4147


 28.5646, 0.4678,
0.4147


295.1550, 0.3869,
0.3758

 18.7517, 0.4873,
0.4213


 57.3846, 0.4385,
0.4024


 11.4910, 0.5110,
0.4272


 77.1605, 0.4273,
0.3972

 6.3981, 0.5437,
0.4336


 101.0262, 0.4179,
0.3925

 3.0886, 0.5740,
0.4260

 129.3660, 0.4099,
0.3884

 1.1782, 0.6036,
0.3964

 162.5644, 0.4029,
0.3847

 0.0438, 0.9215,
0.0785

 201.0058, 0.3969,

 0.0000, 0.0000,

0.3814

0.0000

245.0745, 0.3916,
0.3784

■ 28.5646, 0.4678,
0.4147

■ 28.5646, 0.4678,
0.4147

■ 25.9301, 0.4936,
0.4188

■ 31.5200, 0.4410,
0.4064

■ 23.5965, 0.5168,
0.4178

■ 34.8062, 0.4146,
0.3952

■ 21.5413, 0.5365,
0.4119

■ 38.4373, 0.3897,
0.3822

■ 21.4804, 0.5372,
0.4117

■ 42.4254, 0.3669,
0.3685

■ 46.7819, 0.3464,
0.3547

■ 51.5172, 0.3282,
0.3413

■ 56.6417, 0.3122,
0.3286

■ 62.1650, 0.2983,
0.3168

■ 68.0964, 0.2861,
0.3058

Harmonies

Analogous

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



28.5646, 0.4767, 0.3539



28.5646, 0.4678, 0.4147



28.5646, 0.4158, 0.4669

Triad

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



28.5646, 0.4678, 0.4147



28.5646, 0.2017, 0.3512



28.5646, 0.2669, 0.2133

Complementary

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



28.5646, 0.4678, 0.4147



20.2249, 0.2043, 0.2103

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.



28.5646, 0.2061, 0.2034



28.5646, 0.4678, 0.4147



28.5646, 0.1725, 0.2692

Square

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



28.5646, 0.4678, 0.4147



28.5646, 0.2619, 0.4404



28.5646, 0.1745, 0.2202



28.5646, 0.3504, 0.2458

Rectangle

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



28.5646, 0.4678, 0.4147



28.5646, 0.3670, 0.4847



28.5646, 0.1745, 0.2202



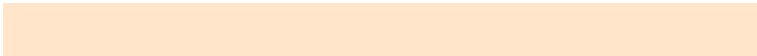
28.5646, 0.2435, 0.2073

Sweetspot

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



28.5660, 0.4678, 0.4147



81.5347, 0.3495, 0.3569



16.8262, 0.4233, 0.2467



16.9812, 0.3552, 0.3608



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.



28.5660, 0.4678, 0.4147



43.5469, 0.5070, 0.4189



52.7233, 0.4059, 0.4831



11.5241, 0.3277, 0.3409



14.1406, 0.5352, 0.4133



0.8142, 0.5047, 0.4375

Inverse Universe

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



20.2249, 0.2043, 0.2103



27.8818, 0.1870, 0.1794



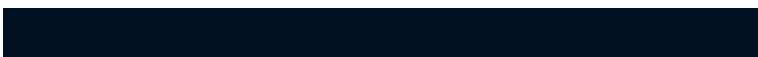
8.2733, 0.1793, 0.1085



11.1234, 0.2983, 0.3168



8.2796, 0.1763, 0.1546



0.5369, 0.1870, 0.1933

Previews

White Background



This preview shows how the Yxy color 28.5646, 0.4678, 0.4147 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 28.5646, 0.4678, 0.4147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

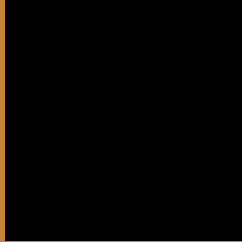
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5646, 0.4678, 0.4147

Background



This preview shows how black text looks on a background with the Yxy color 28.5646, 0.4678, 0.4147.



This preview shows how white text looks on a background with the Yxy color 28.5646, 0.4678, 0.4147.

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

28.5646, 0.4678, 0.4147

Protanopia

28.6208, 0.4090, 0.4479

Deuteranopia

28.7158, 0.4437, 0.4351



Tritanopia

28.5284, 0.3993, 0.3175

Trichromacy



Original Color

28.5646, 0.4678, 0.4147

Protanomaly

28.5226, 0.4300, 0.4365

Deuteranomaly

28.6155, 0.4527, 0.4270

Tritanomaly

28.3798, 0.4277, 0.3554

Monochromacy



Original Color

28.5646, 0.4678, 0.4147

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.4440, 0.3680, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5646, 0.4678, 0.4147 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(198, 131, 60)` looks like.

```
.text, #text, p{  
    color:rgb(198, 131, 60)  
}
```

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(198, 131, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 131, 60) }
```

Border

The CSS property to change the border of an element to Yxy 28.5646, 0.4678, 0.4147 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(198, 131, 60) }
```

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

```
.border{ border-color:rgb(198, 131, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 131, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 131, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 131, 60);  
box-shadow:4px 4px 4px 4px rgb(198, 131,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5646, 0.4678, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 131, 60) }
```

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

```
.background{ background-color: rgb(198,  
131, 60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor