

Converting Colors

$Y_{xy}(28.5120, 0.4596, 0.4733)$

Have a look what the booklet for
Yxy(28.5120, 0.4596, 0.4733)
contains.

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Color

$\text{Yxy}(28.3969, 0.4604, 0.4727)$

Conversions

Conversions Part 1

Format	Color
Hex	B18D00
RGB	177, 141, 0
RGB Percent	69%, 55%, 0%
CMY	0.3058, 0.4471, 1.0000
CMYK	0.00, 0.20, 1.00, 0.31
HSL	48°, 100%, 35%
HSV	48°, 100%, 69%
XYZ	27.6580, 28.3969, 4.0189
YIQ	135.6900, 66.7170, -36.2190

Conversions

Conversions Part 2

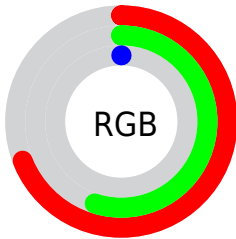
Format	Color
RYB	45, 177, 0
Decimal	11635968
CIELab	60.25, 2.69, 64.87
CIELCh	60, 64.923, 87.627
Yxy	28.3969, 0.4604, 0.4727
Android (android.graphics.Color)	4289826048 (0xFFB18D00)
YUV	135.6900, -66.8952, 36.2289
Hunter-Lab	53.2887, -0.6100, 32.8306

Details

The Yxy color **28.3969, 0.4604, 0.4727** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.4373, 0.1558, 0.0807**, and the grayscale version is **24.7362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0430, 0.4378, 0.4511**, and **11.4041, 0.4660, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **28.3986, 0.4604, 0.4727**, and if you desaturate by 10%, it is **29.5207, 0.4522, 0.4716**.

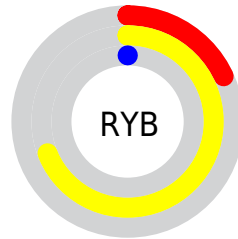
Distribution



Red (69%)

Green (55%)

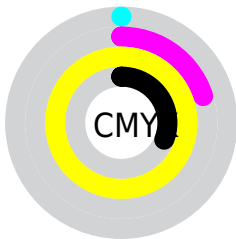
Blue (0%)



Red (18%)

Yellow (69%)

Blue (0%)

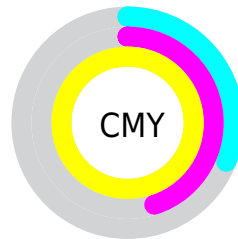


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3969, 0.4604, 0.4727 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 28.3969, 0.4604, 0.4727 by changing the saturation by 10% instead.

 28.3969, 0.4604,
0.4727


 28.3969, 0.4604,
0.4727


294.3586, 0.3899,
0.4056


 18.6251, 0.4733,
0.4842


 57.1175, 0.4375,
0.4514


 11.3997, 0.4887,
0.4975


 76.8350, 0.4279,
0.4423

 6.3363, 0.4973,
0.5027


 100.6366, 0.4194,
0.4343

 3.0507, 0.5001,
0.4999

 128.9066, 0.4120,
0.4271

 1.1582, 0.5049,
0.4951

 162.0294, 0.4055,
0.4208


 0.0272, 0.7708,
0.2292

 200.3894, 0.3996,


 0.0000, 0.0000,

0.4151


0.0000


 244.3710, 0.3945,
0.4101

 28.3969, 0.4604,
0.4727

 28.3969, 0.4604,
0.4727

 28.3986, 0.4604,
0.4727

 29.5207, 0.4522,
0.4716

 30.7160, 0.4417,
0.4668

 31.9997, 0.4285,
0.4574

 33.3790, 0.4131,
0.4441

 34.8603, 0.3963,
0.4275

■ 36.4490, 0.3788,
0.4088

■ 38.1502, 0.3612,
0.3888

■ 39.9684, 0.3441,
0.3684

■ 41.9080, 0.3279,
0.3484

Harmonies

Analogous

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



28.3969, 0.5139, 0.3999



28.3969, 0.4604, 0.4727



28.3969, 0.3738, 0.5246

Triad

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



28.3969, 0.4604, 0.4727



28.3969, 0.1501, 0.2813



28.3969, 0.3205, 0.2123

Complementary

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



28.3969, 0.4604, 0.4727



4.4373, 0.1558, 0.0807

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.



28.3969, 0.2260, 0.1828



28.3969, 0.4604, 0.4727



28.3969, 0.1422, 0.2093

Square

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



28.3969, 0.4604, 0.4727



28.3969, 0.1954, 0.3976



28.3969, 0.1670, 0.1800



28.3969, 0.4307, 0.2639

Rectangle

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



28.3969, 0.4604, 0.4727



28.3969, 0.3091, 0.5221



28.3969, 0.1670, 0.1800



28.3969, 0.2856, 0.1997

Sweetspot

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



28.3986, 0.4604, 0.4727



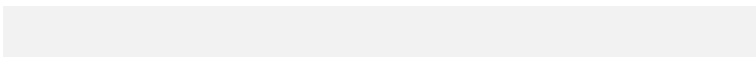
68.1535, 0.3621, 0.3898



9.4909, 0.6022, 0.3091



14.4943, 0.3693, 0.3981



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3986, 0.4604, 0.4727



50.5288, 0.4612, 0.4720



35.9507, 0.3702, 0.5442



9.6072, 0.3268, 0.3470



20.6602, 0.4598, 0.4731



0.7245, 0.4466, 0.4836

Inverse Universe

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



4.4373, 0.1558, 0.0807



7.6935, 0.1551, 0.0784



3.8569, 0.1684, 0.0702



8.5010, 0.2985, 0.3103



3.2865, 0.1562, 0.0822



0.1850, 0.1702, 0.1327

Previews

White Background



This preview shows how the Yxy color 28.3969, 0.4604, 0.4727 looks on a white background.

Color Contrast Check

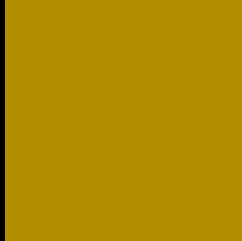
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3969, 0.4604, 0.4727 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 28.3969, 0.4604, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 28.3969, 0.4604, 0.4727.



This preview shows how white text looks on a background with the Yxy color 28.3969, 0.4604, 0.4727.

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

28.3969, 0.4604, 0.4727

Protanopia

28.4678, 0.4384, 0.4868

Deuteranopia

28.3938, 0.4694, 0.4608



Tritanopia

28.3460, 0.3633, 0.3150

Trichromacy



Original Color

28.3969, 0.4604, 0.4727

Protanomaly

28.3925, 0.4469, 0.4813

Deuteranomaly

28.3065, 0.4657, 0.4653

Tritanomaly

27.8899, 0.4167, 0.3931

Monochromacy



Original Color

28.3969, 0.4604, 0.4727

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4444, 0.3820, 0.4124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3969, 0.4604, 0.4727 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(177, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 141, 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(177, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 141, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.3969, 0.4604, 0.4727 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(177, 141, 0) }
```

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

```
.border{ border-color:rgb(177, 141, 0) }
```

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

Here you see how a box with a 4 pixel rgb(177, 141, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 141,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3969, 0.4604, 0.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 141, 0) }
```

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

```
.background{ background-color: rgb(177,  
141, 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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