

Converting Colors

$Y_{xy}(27.8616, 0.4573, 0.4492)$

Have a look what the booklet for
Yxy(27.8616, 0.4573, 0.4492)
contains.

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Color

Yxy(27.8616, 0.4573, 0.4492)

Conversions

Conversions Part 1

Format	Color
Hex	B58927
RGB	181, 137, 39
RGB Percent	71%, 54%, 15%
CMY	0.2903, 0.4627, 0.8472
CMYK	0.00, 0.24, 0.78, 0.29
HSL	41°, 65%, 43%
HSV	41°, 78%, 71%
XYZ	28.3640, 27.8616, 5.7993
YIQ	138.9840, 57.6820, -21.1500

Conversions

Conversions Part 2

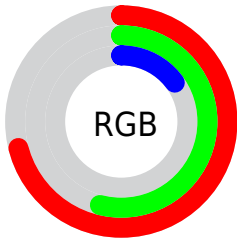
Format	Color
R_{YB}	103, 181, 39
Decimal	11897127
CIE _{Lab}	59.76, 7.56, 55.38
CIE _{LCh}	60, 55.891, 82.225
Yxy	27.8616, 0.4573, 0.4492
Android (android.graphics.Color)	4290087207 (0xFFB58927)
YUV	138.9840, -49.2921, 36.8480
Hunter-Lab	52.7841, 3.5464, 30.4347

Details

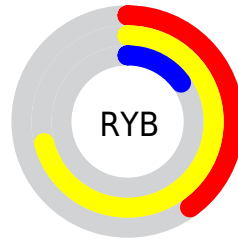
The Yxy color **27.8616, 0.4573, 0.4492** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.9425, 0.1825, 0.1480**, and the grayscale version is **25.9882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3004, 0.4325, 0.4300**, and **11.2645, 0.4794, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **26.2183, 0.4725, 0.4528**, and if you desaturate by 10%, it is **29.6476, 0.4395, 0.4409**.

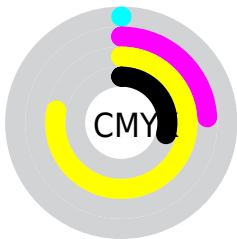
Distribution



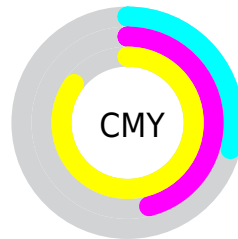
- Red (71%)
- Green (54%)
- Blue (15%)



- Red (40%)
- Yellow (71%)
- Blue (15%)



- Cyan (0%)
- Magenta (24%)
- Yellow (78%)
- Black (29%)





- Cyan (29%)
- Magenta (46%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8616, 0.4573, 0.4492 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 27.8616, 0.4573, 0.4492 by changing the saturation by 10% instead.


 27.8616, 0.4573,
0.4492


 27.8616, 0.4573,
0.4492


291.8050, 0.3845,
0.3919


 18.2214, 0.4730,
0.4599


 56.2634, 0.4320,
0.4304

 11.1090, 0.4906,
0.4704


 75.7938, 0.4220,
0.4226


 6.1402, 0.5155,
0.4845


 99.3896, 0.4134,
0.4158


 2.9305, 0.5232,
0.4768

 127.4353, 0.4060,
0.4098

 1.0956, 0.5366,
0.4634

 160.3153, 0.3996,
0.4045

 0.0000, 1.0000,
0.0000

 198.4140, 0.3939,

 0.0000, 0.0000,

0.3998

0.0000

242.1158, 0.3889,
0.3956

■ 27.8616, 0.4573,
0.4492

■ 27.8616, 0.4573,
0.4492

■ 26.2183, 0.4725,
0.4528

■ 29.6476, 0.4395,
0.4409

■ 24.7002, 0.4849,
0.4519

■ 31.5805, 0.4201,
0.4286

■ 24.4759, 0.4868,
0.4517

■ 33.6691, 0.3999,
0.4135

■ 35.9200, 0.3798,
0.3965

■ 38.3392, 0.3605,
0.3787

■ 40.9324, 0.3424,
0.3607

■ 43.7047, 0.3257,
0.3432

■ 46.6611, 0.3105,
0.3265

■ 49.8064, 0.2968,
0.3108

Harmonies

Analogous

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



27.8616, 0.4935, 0.3850



27.8616, 0.4573, 0.4492



27.8616, 0.3854, 0.4957

Triad

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



27.8616, 0.4573, 0.4492



27.8616, 0.1730, 0.3054



27.8616, 0.3037, 0.2184

Complementary

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



27.8616, 0.4573, 0.4492



9.9425, 0.1825, 0.1480

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.



27.8616, 0.2245, 0.1957



27.8616, 0.4573, 0.4492



27.8616, 0.1589, 0.2330

Square

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



27.8616, 0.4573, 0.4492



27.8616, 0.2217, 0.4074



27.8616, 0.1762, 0.1988



27.8616, 0.3991, 0.2625

Rectangle

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



27.8616, 0.4573, 0.4492



27.8616, 0.3284, 0.4985



27.8616, 0.1762, 0.1988



27.8616, 0.2743, 0.2082

Sweetspot

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



27.8630, 0.4573, 0.4492



70.5332, 0.3530, 0.3713



11.9094, 0.4990, 0.2781



14.8989, 0.3595, 0.3777



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



27.8630, 0.4573, 0.4492



45.0180, 0.4814, 0.4524



40.1487, 0.3866, 0.5108



9.4538, 0.3271, 0.3447



17.0049, 0.4857, 0.4525



0.6330, 0.4632, 0.4704

Inverse Universe

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



9.9425, 0.1825, 0.1480



12.1562, 0.1651, 0.1105



5.9083, 0.1831, 0.0962



8.6451, 0.2985, 0.3128



4.3624, 0.1624, 0.1045



0.2437, 0.1787, 0.1634

Previews

White Background



This preview shows how the Yxy color 27.8616, 0.4573, 0.4492 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 27.8616, 0.4573, 0.4492 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 27.8616, 0.4573, 0.4492

Background



This preview shows how black text looks on a background with the Yxy color 27.8616, 0.4573, 0.4492.



This preview shows how white text looks on a background with the Yxy color 27.8616, 0.4573, 0.4492.

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

27.8616, 0.4573, 0.4492

Protanopia

28.0923, 0.4259, 0.4706

Deuteranopia

27.8616, 0.4573, 0.4492



Tritanopia

27.8381, 0.3713, 0.3152

Trichromacy



Original Color

27.8616, 0.4573, 0.4492

Protanomaly

27.9342, 0.4377, 0.4628

Deuteranomaly

27.8616, 0.4573, 0.4492

Tritanomaly

27.5062, 0.4108, 0.3702

Monochromacy



Original Color

27.8616, 0.4573, 0.4492

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.0263, 0.3687, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8616, 0.4573, 0.4492 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(181, 137, 39)` looks like.

```
.text, #text, p{  
    color:rgb(181, 137, 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(181, 137, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 137, 39) }
```

Border

The CSS property to change the border of an element to Yxy 27.8616, 0.4573, 0.4492 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(181, 137, 39) }
```

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

```
.border{ border-color:rgb(181, 137, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 137, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 137, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 137, 39);  
box-shadow:4px 4px 4px 4px rgb(181, 137,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8616, 0.4573, 0.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 137, 39) }
```

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

```
.background{ background-color: rgb(181,  
137, 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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