

Converting Colors

$Y_{xy}(28.1254, 0.4529, 0.4451)$

Have a look what the booklet for
Yxy(28.1254, 0.4529, 0.4451)
contains.

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Color

Yxy(28.1902, 0.4526, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	B58A2D
RGB	181, 138, 45
RGB Percent	71%, 54%, 18%
CMY	0.2903, 0.4588, 0.8235
CMYK	0.00, 0.24, 0.75, 0.29
HSL	41°, 60%, 44%
HSV	41°, 75%, 71%
XYZ	28.6138, 28.1902, 6.4169
YIQ	140.2550, 55.4810, -19.8070

Conversions

Conversions Part 2

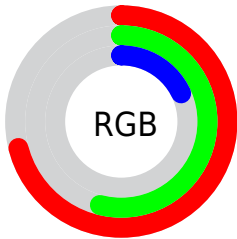
Format	Color
R _Y B	108, 181, 45
Decimal	11897389
CIE Lab	60.06, 7.26, 53.31
CIE LCh	60, 53.799, 82.244
Yxy	28.1902, 0.4526, 0.4459
Android (android.graphics.Color)	4290087469 (0xFFB58A2D)
YUV	140.2550, -46.9607, 35.7334
Hunter-Lab	53.0944, 3.2824, 30.0004

Details

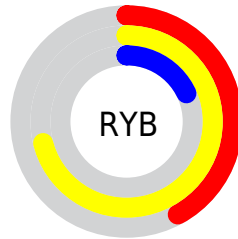
The Yxy color **28.1902, 0.4526, 0.4459** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.8681, 0.1874, 0.1577**, and the grayscale version is **26.5009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6499, 0.4277, 0.4271**, and **11.2645, 0.4794, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **26.4827, 0.4690, 0.4511**, and if you desaturate by 10%, it is **30.0466, 0.4339, 0.4363**.

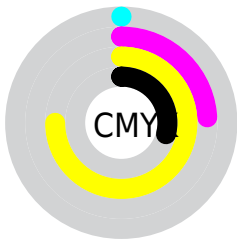
Distribution



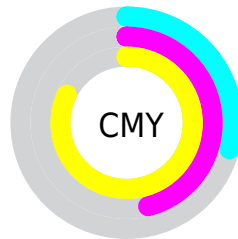
- Red (71%)
- Green (54%)
- Blue (18%)



- Red (42%)
- Yellow (71%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (75%)
- Black (29%)





- Cyan (29%)
- Magenta (46%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1902, 0.4526, 0.4459 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 28.1902, 0.4526, 0.4459 by changing the saturation by 10% instead.

 28.1902, 0.4526,
0.4459


 28.1902, 0.4526,
0.4459


293.3746, 0.3817,
0.3896


 18.4691, 0.4683,
0.4568


 56.7880, 0.4278,
0.4272

 11.2873, 0.4861,
0.4680


 76.4334, 0.4180,
0.4195

 6.2604, 0.5142,
0.4858


 100.1557, 0.4097,
0.4128

 3.0041, 0.5215,
0.4785

 128.3394, 0.4025,
0.4070

 1.1339, 0.5342,
0.4658

 161.3687, 0.3963,
0.4018

 0.0067, 0.9650,
0.0350

 199.6281, 0.3908,

 0.0000, 0.0000,

0.3973

0.0000

243.5019, 0.3860,
0.3932

■ 28.1902, 0.4526,
0.4459

■ 28.1902, 0.4526,
0.4459

■ 26.4827, 0.4690,
0.4511

■ 30.0466, 0.4339,
0.4363

■ 24.9103, 0.4825,
0.4513

■ 32.0559, 0.4139,
0.4230

■ 24.1840, 0.4885,
0.4503

■ 34.2265, 0.3935,
0.4073

■ 36.5649, 0.3735,
0.3901

■ 39.0771, 0.3544,
0.3723

■ 41.7687, 0.3367,
0.3546

■ 44.6448, 0.3205,
0.3375

■ 47.7104, 0.3057,
0.3212

■ 50.9702, 0.2925,
0.3060

Harmonies

Analogous

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



28.1902, 0.4867, 0.3842



28.1902, 0.4526, 0.4459



28.1902, 0.3836, 0.4892

Triad

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



28.1902, 0.4526, 0.4459



28.1902, 0.1779, 0.3069



28.1902, 0.3043, 0.2221

Complementary

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



28.1902, 0.4526, 0.4459



10.8681, 0.1874, 0.1577

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.



28.1902, 0.2278, 0.2001



28.1902, 0.4526, 0.4459



28.1902, 0.1639, 0.2369

Square

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



28.1902, 0.4526, 0.4459



28.1902, 0.2254, 0.4039



28.1902, 0.1807, 0.2033



28.1902, 0.3958, 0.2650

Rectangle

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



28.1902, 0.4526, 0.4459



28.1902, 0.3286, 0.4909



28.1902, 0.1807, 0.2033



28.1902, 0.2760, 0.2121

Sweetspot

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



28.1916, 0.4526, 0.4459



70.8262, 0.3512, 0.3692



12.4041, 0.4872, 0.2778



14.9493, 0.3578, 0.3755



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.



28.1916, 0.4526, 0.4459



45.6221, 0.4780, 0.4518



40.2990, 0.3856, 0.5059



9.4447, 0.3271, 0.3445



16.8060, 0.4874, 0.4512



0.6279, 0.4642, 0.4696

Inverse Universe

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



10.8681, 0.1874, 0.1577



13.5040, 0.1688, 0.1202



6.5128, 0.1883, 0.1040



8.6538, 0.2985, 0.3130



4.4419, 0.1628, 0.1060



0.2473, 0.1792, 0.1651

Previews

White Background



This preview shows how the Yxy color 28.1902, 0.4526, 0.4459 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 28.1902, 0.4526, 0.4459 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 28.1902, 0.4526, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 28.1902, 0.4526, 0.4459.



This preview shows how white text looks on a background with the Yxy color 28.1902, 0.4526, 0.4459.

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

28.1902, 0.4526, 0.4459

Protanopia

28.1374, 0.4225, 0.4655

Deuteranopia

28.3115, 0.4537, 0.4452



Tritanopia

28.1294, 0.3698, 0.3152

Trichromacy



Original Color

28.1902, 0.4526, 0.4459

Protanomaly

27.9783, 0.4342, 0.4580

Deuteranomaly

28.3115, 0.4537, 0.4452

Tritanomaly

27.8367, 0.4067, 0.3674

Monochromacy



Original Color

28.1902, 0.4526, 0.4459

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.4537, 0.3672, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1902, 0.4526, 0.4459 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, 138, 45)` looks like.

```
.text, #text, p{  
    color:rgb(181, 138, 45)  
}
```

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, 138, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 138, 45) }
```

Border

The CSS property to change the border of an element to Yxy 28.1902, 0.4526, 0.4459 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, 138, 45) }
```

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

```
.border{ border-color:rgb(181, 138, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 138, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 138, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 138, 45);  
box-shadow:4px 4px 4px 4px rgb(181, 138,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1902, 0.4526, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 138, 45) }
```

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

```
.background{ background-color: rgb(181,  
138, 45) }
```

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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