

Converting Colors

$Y_{xy}(28.1302, 0.4547, 0.4377)$

Have a look what the booklet for
Yxy(28.1302, 0.4547, 0.4377)
contains.

Yxy(28.0290, 0.4549, 0.4375)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.0290, 0.4549, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	B88832
RGB	184, 136, 50
RGB Percent	72%, 53%, 20%
CMY	0.2785, 0.4666, 0.8038
CMYK	0.00, 0.26, 0.73, 0.28
HSL	39°, 57%, 46%
HSV	39°, 73%, 72%
XYZ	29.1438, 28.0290, 6.8935
YIQ	140.5480, 56.2140, -16.5700

Conversions

Conversions Part 2

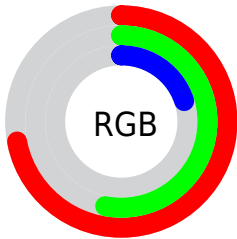
Format	Color
R_{YB}	125, 184, 50
Decimal	12093490
CIE _{Lab}	59.91, 9.94, 51.18
CIE _{LCh}	60, 52.133, 79.005
Yxy	28.0290, 0.4549, 0.4375
Android (android.graphics.Color)	4290283570 (0xFFB88832)
YUV	140.5480, -44.6402, 38.1074
Hunter-Lab	52.9424, 5.6115, 29.3397

Details

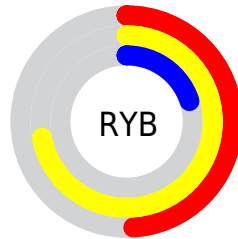
The Yxy color **28.0290, 0.4549, 0.4375** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.8709, 0.1930, 0.1733**, and the grayscale version is **26.6124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3895, 0.4290, 0.4206**, and **11.1676, 0.4878, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **26.1030, 0.4738, 0.4429**, and if you desaturate by 10%, it is **30.1356, 0.4340, 0.4277**.

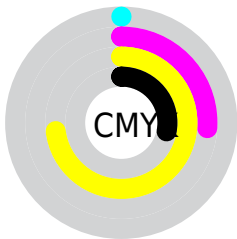
Distribution



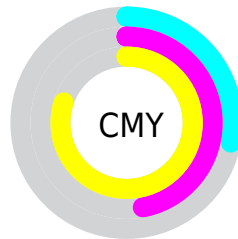
- Red (72%)
- Green (53%)
- Blue (20%)



- Red (49%)
- Yellow (72%)
- Blue (20%)



- Cyan (0%)
- Magenta (26%)
- Yellow (73%)
- Black (28%)




- Cyan (28%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0290, 0.4549, 0.4375 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 28.0290, 0.4549, 0.4375 by changing the saturation by 10% instead.


 28.0290, 0.4549,
0.4375


 28.0290, 0.4549,
0.4375


292.6055, 0.3820,
0.3856


 18.3475, 0.4716,
0.4475


 56.5307, 0.4290,
0.4203


 11.1998, 0.4910,
0.4576


 76.1198, 0.4190,
0.4132

 6.2014, 0.5229,
0.4749

 99.7802, 0.4105,
0.4071

 2.9679, 0.5339,
0.4661

 127.8962, 0.4031,
0.4016

 1.1150, 0.5511,
0.4489

 160.8524, 0.3968,
0.3969

 0.0000, 1.0000,
0.0000

 199.0331, 0.3912,

 0.0000, 0.0000,

0.3927

0.0000

242.8226, 0.3863,
0.3889

■ 28.0290, 0.4549,
0.4375

■ 28.0290, 0.4549,
0.4375

■ 26.1030, 0.4738,
0.4429

■ 30.1356, 0.4340,
0.4277

■ 24.3433, 0.4899,
0.4433

■ 32.4275, 0.4123,
0.4146

■ 23.1692, 0.5000,
0.4412

■ 34.9140, 0.3908,
0.3993

■ 37.6022, 0.3701,
0.3827

■ 40.4988, 0.3508,
0.3659

■ 43.6102, 0.3330,
0.3493

■ 46.9422, 0.3169,
0.3333

■ 50.5005, 0.3025,
0.3183

■ 54.2904, 0.2897,
0.3043

Harmonies

Analogous

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



28.0290, 0.4827, 0.3769



28.0290, 0.4549, 0.4375



28.0290, 0.3906, 0.4822

Triad

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



28.0290, 0.4549, 0.4375



28.0290, 0.1848, 0.3172



28.0290, 0.2956, 0.2212

Complementary

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



28.0290, 0.4549, 0.4375



12.8709, 0.1930, 0.1733

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.



28.0290, 0.2236, 0.2022



28.0290, 0.4549, 0.4375



28.0290, 0.1674, 0.2452

Square

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



28.0290, 0.4549, 0.4375



28.0290, 0.2349, 0.4116



28.0290, 0.1806, 0.2085



28.0290, 0.3842, 0.2614

Rectangle

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



28.0290, 0.4549, 0.4375



28.0290, 0.3376, 0.4876



28.0290, 0.1806, 0.2085



28.0290, 0.2687, 0.2123

Sweetspot

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



28.0304, 0.4549, 0.4375



73.6761, 0.3499, 0.3651



13.3741, 0.4657, 0.2689



15.5702, 0.3549, 0.3697



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



28.0304, 0.4549, 0.4375



45.4940, 0.4833, 0.4438



42.6225, 0.3911, 0.4981



9.9477, 0.3272, 0.3436



16.1095, 0.4987, 0.4422



0.6804, 0.4734, 0.4623

Inverse Universe

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



12.8709, 0.1930, 0.1733



16.8403, 0.1745, 0.1374



6.9673, 0.1867, 0.1069



9.2317, 0.2985, 0.3139



5.1840, 0.1658, 0.1167



0.3021, 0.1809, 0.1712

Previews

White Background



This preview shows how the Yxy color 28.0290, 0.4549, 0.4375 looks on a white background.

Color Contrast Check

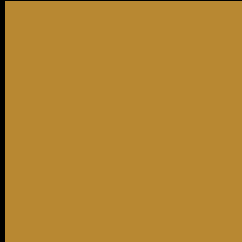
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0290, 0.4549, 0.4375 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 28.0290, 0.4549, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 28.0290, 0.4549, 0.4375.



This preview shows how white text looks on a background with the Yxy color 28.0290, 0.4549, 0.4375.

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

28.0290, 0.4549, 0.4375

Protanopia

28.1801, 0.4193, 0.4607

Deuteranopia

27.9454, 0.4505, 0.4406



Tritanopia

27.9320, 0.3764, 0.3154

Trichromacy



Original Color

28.0290, 0.4549, 0.4375

Protanomaly

28.1311, 0.4322, 0.4528

Deuteranomaly

28.0667, 0.4516, 0.4399

Tritanomaly

27.6766, 0.4114, 0.3641

Monochromacy



Original Color

28.0290, 0.4549, 0.4375

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7160, 0.3664, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0290, 0.4549, 0.4375 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(184, 136, 50)` looks like.

```
.text, #text, p{  
    color:rgb(184, 136, 50)  
}
```

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(184, 136, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 136, 50) }
```

Border

The CSS property to change the border of an element to Yxy 28.0290, 0.4549, 0.4375 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(184, 136, 50) }
```

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

```
.border{ border-color:rgb(184, 136, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 136, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 136, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 136, 50);  
box-shadow:4px 4px 4px 4px rgb(184, 136,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0290, 0.4549, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 136, 50) }
```

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

```
.background{ background-color: rgb(184,  
136, 50) }
```

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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