

Converting Colors

$Y_{xy}(27.9812, 0.4553, 0.4574)$

Have a look what the booklet for
Yxy(27.9812, 0.4553, 0.4574)
contains.

Yxy(28.0400, 0.4547, 0.4575)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.0400, 0.4547, 0.4575)

Conversions

Conversions Part 1

Format	Color
Hex	B28B21
RGB	178, 139, 33
RGB Percent	70%, 55%, 13%
CMY	0.3019, 0.4549, 0.8706
CMYK	0.00, 0.22, 0.81, 0.30
HSL	44°, 69%, 41%
HSV	44°, 81%, 70%
XYZ	27.8684, 28.0400, 5.3812
YIQ	138.5770, 57.2700, -24.6980

Conversions

Conversions Part 2

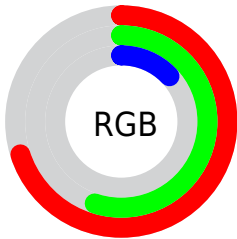
Format	Color
RYB	86, 178, 33
Decimal	11701025
CIELab	59.92, 4.91, 57.51
CIElCh	60, 57.718, 85.122
Yxy	28.0400, 0.4547, 0.4575
Android (android.graphics.Color)	4289891105 (0xFFB28B21)
YUV	138.5770, -52.0495, 34.5740
Hunter-Lab	52.9528, 1.2749, 31.0417

Details

The Yxy color **28.0400, 0.4547, 0.4575** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.1719, 0.1763, 0.1312**, and the grayscale version is **25.8354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3919, 0.4306, 0.4376**, and **11.2097, 0.4729, 0.4627** is the 20% darker color. If you saturate the color by 10%, you get **26.6103, 0.4673, 0.4605**, and if you desaturate by 10%, it is **29.5859, 0.4393, 0.4498**.

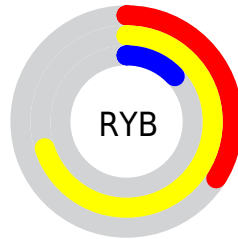
Distribution



Red (70%)

Green (55%)

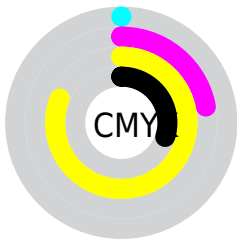
Blue (13%)



Red (34%)

Yellow (70%)

Blue (13%)

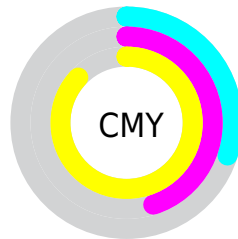


Cyan (0%)

Magenta (22%)

Yellow (81%)

Black (30%)



Cyan (30%)

Magenta (45%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0400, 0.4547, 0.4575 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 28.0400, 0.4547, 0.4575 by changing the saturation by 10% instead.


 28.0400, 0.4547,
0.4575


 28.0400, 0.4547,
0.4575


292.6580, 0.3841,
0.3960

 18.3558, 0.4693,
0.4691


 56.5483, 0.4306,
0.4373

 11.2057, 0.4854,
0.4807


 76.1412, 0.4209,
0.4289


 6.2054, 0.5057,
0.4943

 99.8058, 0.4126,
0.4215

 2.9704, 0.5107,
0.4893

 127.9265, 0.4053,
0.4151

 1.1163, 0.5195,
0.4805

 160.8876, 0.3990,
0.4094

 0.0000, 1.0000,
0.0000

 199.0737, 0.3934,

 0.0000, 0.0000,

0.4044

0.0000

242.8690, 0.3885,
0.3999

■ 28.0400, 0.4547,
0.4575

■ 28.0400, 0.4547,
0.4575

■ 26.6103, 0.4673,
0.4605

■ 29.5859, 0.4393,
0.4498

■ 25.4653, 0.4762,
0.4601

■ 31.2519, 0.4218,
0.4379

■ 33.0464, 0.4031,
0.4228

■ 34.9753, 0.3840,
0.4055

■ 37.0443, 0.3652,
0.3870

■ 39.2585, 0.3472,
0.3681

■ 41.6227, 0.3304,
0.3495

■ 44.1414, 0.3149,
0.3316

■ 46.8187, 0.3007,
0.3146

Harmonies

Analogous

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



28.0400, 0.4970, 0.3920



28.0400, 0.4547, 0.4575



28.0400, 0.3784, 0.5028

Triad

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



28.0400, 0.4547, 0.4575



28.0400, 0.1666, 0.2953



28.0400, 0.3124, 0.2191

Complementary

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



28.0400, 0.4547, 0.4575



8.1719, 0.1763, 0.1312

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.



28.0400, 0.2286, 0.1937



28.0400, 0.4547, 0.4575



28.0400, 0.1556, 0.2252

Square

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



28.0400, 0.4547, 0.4575



28.0400, 0.2126, 0.3995



28.0400, 0.1762, 0.1940



28.0400, 0.4108, 0.2659

Rectangle

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



28.0400, 0.4547, 0.4575



28.0400, 0.3196, 0.5018



28.0400, 0.1762, 0.1940



28.0400, 0.2815, 0.2080

Sweetspot

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



28.0414, 0.4547, 0.4575



69.9750, 0.3524, 0.3737



11.0484, 0.5198, 0.2851



15.1885, 0.3588, 0.3803



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.



28.0414, 0.4547, 0.4575



46.2563, 0.4755, 0.4595



38.1183, 0.3826, 0.5180



9.5123, 0.3270, 0.3456



18.3270, 0.4754, 0.4607



0.6668, 0.4566, 0.4756

Inverse Universe

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



8.1719, 0.1763, 0.1312



9.7329, 0.1598, 0.0939



5.4056, 0.1826, 0.0920



8.5897, 0.2985, 0.3119



3.8963, 0.1598, 0.0951



0.2213, 0.1756, 0.1522

Previews

White Background



This preview shows how the Yxy color 28.0400, 0.4547, 0.4575 looks on a white background.

Color Contrast Check

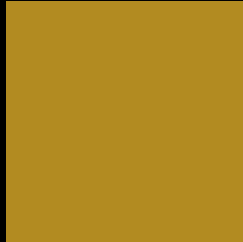
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0400, 0.4547, 0.4575 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 28.0400, 0.4547, 0.4575

Background



This preview shows how black text looks on a background with the Yxy color 28.0400, 0.4547, 0.4575.



This preview shows how white text looks on a background with the Yxy color 28.0400, 0.4547, 0.4575.

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

28.0400, 0.4547, 0.4575

Protanopia

28.1587, 0.4301, 0.4743

Deuteranopia

27.9519, 0.4610, 0.4517



Tritanopia

28.1436, 0.3671, 0.3165

Trichromacy



Original Color

28.0400, 0.4547, 0.4575

Protanomaly

28.0852, 0.4384, 0.4689

Deuteranomaly

28.1162, 0.4587, 0.4536

Tritanomaly

27.6402, 0.4083, 0.3764

Monochromacy



Original Color

28.0400, 0.4547, 0.4575

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.1576, 0.3702, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0400, 0.4547, 0.4575 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(178, 139, 33)` looks like.

```
.text, #text, p{  
    color:rgb(178, 139, 33)  
}
```

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(178, 139, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 139, 33) }
```

Border

The CSS property to change the border of an element to Yxy 28.0400, 0.4547, 0.4575 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(178, 139, 33) }
```

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

```
.border{ border-color:rgb(178, 139, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 139, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 139, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 139, 33);  
box-shadow:4px 4px 4px 4px rgb(178, 139,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0400, 0.4547, 0.4575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 139, 33) }
```

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

```
.background{ background-color: rgb(178,  
139, 33) }
```

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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