

Converting Colors

$Y_{xy}(28.5252, 0.4252, 0.4602)$

Have a look what the booklet for
Yxy(28.5252, 0.4252, 0.4602)
contains.

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Color

Yxy(28.5881, 0.4252, 0.4599)

Conversions

Conversions Part 1

Format	Color
Hex	A69132
RGB	166, 145, 50
RGB Percent	65%, 57%, 20%
CMY	0.3489, 0.4314, 0.8039
CMYK	0.00, 0.13, 0.70, 0.35
HSL	49°, 54%, 42%
HSV	49°, 70%, 65%
XYZ	26.4311, 28.5881, 7.1424
YIQ	140.4490, 43.0110, -25.0930

Conversions

Conversions Part 2

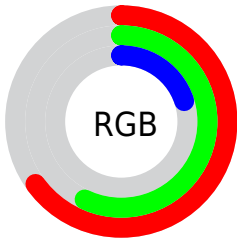
Format	Color
R_{YB}	76, 166, 50
Decimal	10916146
CIE Lab	60.42, -3.02, 51.09
CIE LCh	60, 51.182, 93.385
Yxy	28.5881, 0.4252, 0.4599
Android (android.graphics.Color)	4289106226 (0xFFA69132)
YUV	140.4490, -44.5914, 22.4082
Hunter-Lab	53.4678, -5.3297, 29.5074

Details

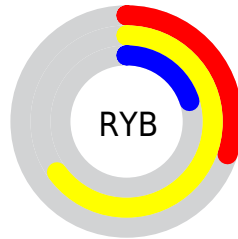
The Yxy color **28.5881, 0.4252, 0.4599** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9428, 0.1885, 0.1432**, and the grayscale version is **26.5759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6535, 0.4055, 0.4365**, and **11.5639, 0.4458, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **27.5637, 0.4377, 0.4697**, and if you desaturate by 10%, it is **29.6916, 0.4105, 0.4461**.

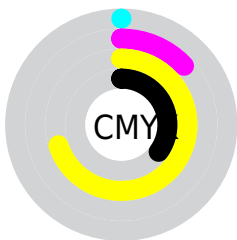
Distribution



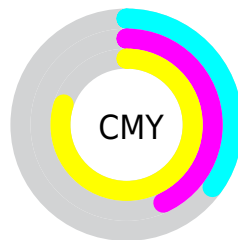
- Red (65%)
- Green (57%)
- Blue (20%)



- Red (30%)
- Yellow (65%)
- Blue (20%)



- Cyan (0%)
- Magenta (13%)
- Yellow (70%)
- Black (35%)





- Cyan (35%)
- Magenta (43%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5881, 0.4252, 0.4599 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 28.5881, 0.4252, 0.4599 by changing the saturation by 10% instead.

 28.5881, 0.4252,
0.4599


 28.5881, 0.4252,
0.4599


295.2665, 0.3690,
0.3932

 18.7694, 0.4372,
0.4749


 57.4220, 0.4058,
0.4364


 11.5038, 0.4505,
0.4921


 77.2061, 0.3981,
0.4272


 6.4068, 0.4723,
0.5201


 101.0807, 0.3915,
0.4194

 3.0940, 0.4727,
0.5273

 129.4303, 0.3857,
0.4127

 1.1810, 0.4672,
0.5328

 162.6393, 0.3807,
0.4068

 0.0461, 0.0000,
1.0000

 201.0921, 0.3764,

 0.0000, 0.0000,

0.4017

0.0000

245.1730, 0.3725,
0.3972

■ 28.5881, 0.4252,
0.4599

■ 28.5881, 0.4252,
0.4599

■ 27.5637, 0.4377,
0.4697

■ 29.6916, 0.4105,
0.4461

■ 26.6081, 0.4475,
0.4751

■ 30.8753, 0.3944,
0.4292

■ 25.7093, 0.4550,
0.4768

■ 32.1451, 0.3774,
0.4101

■ 25.6990, 0.4551,
0.4769

■ 33.5054, 0.3603,
0.3898

■ 34.9599, 0.3435,
0.3690

■ 36.5122, 0.3275,
0.3485

■ 38.1656, 0.3125,
0.3288

■ 39.9234, 0.2987,
0.3100

■ 41.7885, 0.2860,
0.2925

Harmonies

Analogous

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



28.5881, 0.4717, 0.4055



28.5881, 0.4252, 0.4599



28.5881, 0.3524, 0.4848

Triad

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



28.5881, 0.4252, 0.4599



28.5881, 0.1753, 0.2798



28.5881, 0.3370, 0.2400

Complementary

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



28.5881, 0.4252, 0.4599



7.9428, 0.1885, 0.1432

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.



28.5881, 0.2562, 0.2108



28.5881, 0.4252, 0.4599



28.5881, 0.1729, 0.2258

Square

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



28.5881, 0.4252, 0.4599



28.5881, 0.2093, 0.3651



28.5881, 0.1999, 0.2046



28.5881, 0.4209, 0.2873

Rectangle

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



28.5881, 0.4252, 0.4599



28.5881, 0.2991, 0.4692



28.5881, 0.1999, 0.2046



28.5881, 0.3083, 0.2280

Sweetspot

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



28.5895, 0.4252, 0.4599



63.0183, 0.3460, 0.3722



10.8495, 0.5002, 0.3012



13.9437, 0.3504, 0.3777



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.5895, 0.4252, 0.4599



49.0093, 0.4436, 0.4733



32.2016, 0.3670, 0.5070



8.5391, 0.3266, 0.3474



19.9836, 0.4547, 0.4772



0.5447, 0.4412, 0.4879

Inverse Universe

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



7.9428, 0.1885, 0.1432



9.4444, 0.1670, 0.1036



7.0493, 0.2138, 0.1263



7.5124, 0.2986, 0.3100



2.9101, 0.1553, 0.0789



0.1322, 0.1701, 0.1323

Previews

White Background



This preview shows how the Yxy color 28.5881, 0.4252, 0.4599 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 28.5881, 0.4252, 0.4599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

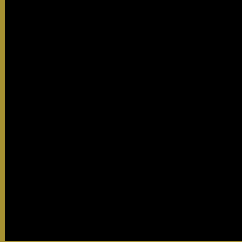
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5881, 0.4252, 0.4599

Background



This preview shows how black text looks on a background with the Yxy color 28.5881, 0.4252, 0.4599.



This preview shows how white text looks on a background with the Yxy color 28.5881, 0.4252, 0.4599.

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

28.5881, 0.4252, 0.4599

Protanopia

28.5746, 0.4207, 0.4631

Deuteranopia

28.6583, 0.4480, 0.4406



Tritanopia

28.6823, 0.3448, 0.3145

Trichromacy



Original Color

28.5881, 0.4252, 0.4599

Protanomaly

28.6806, 0.4219, 0.4624

Deuteranomaly

28.5189, 0.4399, 0.4477

Tritanomaly

28.2709, 0.3795, 0.3713

Monochromacy



Original Color

28.5881, 0.4252, 0.4599

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.7971, 0.3567, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5881, 0.4252, 0.4599 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(166, 145, 50)` looks like.

```
.text, #text, p{  
    color:rgb(166, 145, 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(166, 145, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 145, 50) }
```

Border

The CSS property to change the border of an element to Yxy 28.5881, 0.4252, 0.4599 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(166, 145, 50) }
```

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

```
.border{ border-color:rgb(166, 145, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 145, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 145, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 145, 50);  
box-shadow:4px 4px 4px 4px rgb(166, 145,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5881, 0.4252, 0.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 145, 50) }
```

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

```
.background{ background-color: rgb(166,  
145, 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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