

Converting Colors

$Y_{xy}(28.4812, 0.4131, 0.5102)$

Have a look what the booklet for
Yxy(28.4812, 0.4131, 0.5102)
contains.

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Color

Yxy(28.5675, 0.4126, 0.5106)

Conversions

Conversions Part 1

Format	Color
Hex	929800
RGB	146, 152, 0
RGB Percent	57%, 60%, 0%
CMY	0.4274, 0.4039, 1.0000
CMYK	0.04, 0.00, 1.00, 0.40
HSL	62°, 100%, 30%
HSV	62°, 100%, 60%
XYZ	23.0845, 28.5675, 4.2969
YIQ	132.8780, 45.2160, -48.5440

Conversions

Conversions Part 2

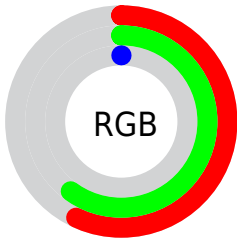
Format	Color
RYB	0, 152, 6
Decimal	9607168
CIELab	60.40, -17.34, 63.63
CIELCh	60, 65.950, 105.246
Yxy	28.5675, 0.4126, 0.5106
Android (android.graphics.Color)	4287797248 (0xFF929800)
YUV	132.8780, -65.5089, 11.5080
Hunter-Lab	53.4486, -16.4406, 32.6475

Details

The Yxy color **28.5675, 0.4126, 0.5106** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.3056, 0.1515, 0.0608**, and the grayscale version is **23.6411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3070, 0.3994, 0.4782**, and **11.5315, 0.4030, 0.5182** is the 20% darker color. If you saturate the color by 10%, you get **28.5688, 0.4126, 0.5106**, and if you desaturate by 10%, it is **28.6589, 0.4106, 0.5054**.

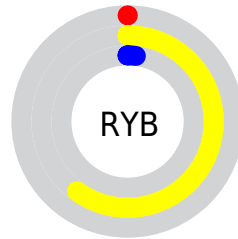
Distribution



Red (57%)

Green (60%)

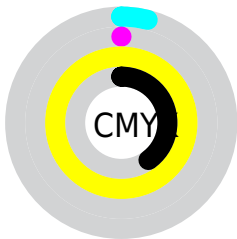
Blue (0%)



Red (0%)

Yellow (60%)

Blue (2%)

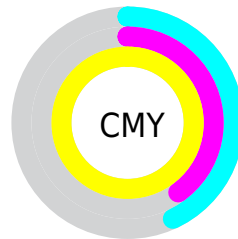


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (43%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5675, 0.4126, 0.5106 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 28.5675, 0.4126, 0.5106 by changing the saturation by 10% instead.

■ 28.5675, 0.4126,
0.5106

■ 28.5675, 0.4126,
0.5106

■ 295.1688, 0.3686,
0.4173

■ 18.7539, 0.4184,
0.5310

■ 57.3892, 0.3997,
0.4779

■ 11.4926, 0.4234,
0.5562

■ 77.1661, 0.3938,
0.4651

■ 6.3992, 0.4200,
0.5800

■ 101.0329, 0.3884,
0.4541

■ 3.0893, 0.4008,
0.5992

■ 129.3739, 0.3835,
0.4446

■ 1.1785, 0.3627,
0.6373

■ 162.5737, 0.3792,
0.4364

■ 0.0441, 0.0000,
1.0000


■ 201.0164, 0.3752,


■ 0.0000, 0.0000,


0.4292


0.0000

 245.0867, 0.3717,
0.4229


 28.5675, 0.4126,
0.5106


 28.5675, 0.4126,
0.5106

 28.5688, 0.4126,
0.5106

 28.6589, 0.4106,
0.5054

 28.7749, 0.4067,
0.4971

 28.9288, 0.4003,
0.4847

 29.1253, 0.3915,
0.4682

 29.3684, 0.3807,
0.4484

■ 29.6619, 0.3682,
0.4261

■ 30.0087, 0.3547,
0.4022

■ 30.4120, 0.3406,
0.3775

■ 30.8745, 0.3265,
0.3529

Harmonies

Analogous

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



28.5675, 0.4898, 0.4439



28.5675, 0.4126, 0.5106



28.5675, 0.3165, 0.5276

Triad

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



28.5675, 0.4126, 0.5106



28.5675, 0.1396, 0.2318



28.5675, 0.3870, 0.2394

Complementary

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



28.5675, 0.4126, 0.5106



2.3056, 0.1515, 0.0608

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.



28.5675, 0.2772, 0.1957



28.5675, 0.4126, 0.5106



28.5675, 0.1512, 0.1861

Square

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



28.5675, 0.4126, 0.5106



28.5675, 0.1622, 0.3250



28.5675, 0.1959, 0.1767



28.5675, 0.4853, 0.3005

Rectangle

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



28.5675, 0.4126, 0.5106



28.5675, 0.2529, 0.4859



28.5675, 0.1959, 0.1767



28.5675, 0.3490, 0.2224

Sweetspot

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



28.5688, 0.4126, 0.5106



52.9304, 0.3555, 0.4036



6.7853, 0.6370, 0.3324



11.9743, 0.3608, 0.4130



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.5688, 0.4126, 0.5106



50.4084, 0.4125, 0.5107



23.7934, 0.3332, 0.5736



7.2105, 0.3254, 0.3510



23.9578, 0.4126, 0.5106



0.3615, 0.4158, 0.5080

Inverse Universe

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



2.3056, 0.1515, 0.0608



4.0514, 0.1511, 0.0606



4.0192, 0.2104, 0.0933



6.0373, 0.2994, 0.3061



1.9365, 0.1517, 0.0609



0.0317, 0.1600, 0.0655

Previews

White Background



This preview shows how the Yxy color 28.5675, 0.4126, 0.5106 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 28.5675, 0.4126, 0.5106 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 28.5675, 0.4126, 0.5106

Background



This preview shows how black text looks on a background with the Yxy color 28.5675, 0.4126, 0.5106.



This preview shows how white text looks on a background with the Yxy color 28.5675, 0.4126, 0.5106.

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

28.5675, 0.4126, 0.5106

Protanopia

28.4503, 0.4398, 0.4890

Deuteranopia

28.4333, 0.4660, 0.4566



Tritanopia

28.3847, 0.3178, 0.3121

Trichromacy



Original Color

28.5675, 0.4126, 0.5106

Protanomaly

28.3479, 0.4296, 0.4971

Deuteranomaly

28.2255, 0.4473, 0.4767

Tritanomaly

27.7893, 0.3691, 0.4065

Monochromacy



Original Color

28.5675, 0.4126, 0.5106

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.8153, 0.3671, 0.4237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5675, 0.4126, 0.5106 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(146, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 152, 0)  
}
```

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(146, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 152, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.5675, 0.4126, 0.5106 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(146, 152, 0) }
```

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

```
.border{ border-color:rgb(146, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 152,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5675, 0.4126, 0.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 152, 0) }
```

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

```
.background{ background-color: rgb(146,  
152, 0) }
```

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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