

Converting Colors

$Y_{xy}(28.8357, 0.4110, 0.5118)$

Have a look what the booklet for
Yxy(28.8357, 0.4110, 0.5118)
contains.

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Color

$Y_{xy}(28.8935, 0.4115, 0.5115)$

Conversions

Conversions Part 1

Format	Color
Hex	929900
RGB	146, 153, 0
RGB Percent	57%, 60%, 0%
CMY	0.4275, 0.4000, 1.0000
CMYK	0.05, 0.00, 1.00, 0.40
HSL	63°, 100%, 30%
HSV	63°, 100%, 60%
XYZ	23.2447, 28.8935, 4.3496
YIQ	133.4650, 44.9410, -49.0670

Conversions

Conversions Part 2

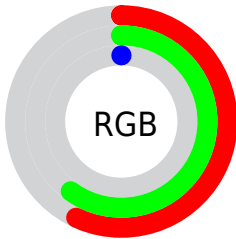
Format	Color
RYB	0, 153, 7
Decimal	9607424
CIELab	60.69, -17.87, 63.85
CIELCh	61, 66.305, 105.636
Yxy	28.8935, 0.4115, 0.5115
Android (android.graphics.Color)	4287797504 (0xFF929900)
YUV	133.4650, -65.7982, 10.9932
Hunter-Lab	53.7527, -16.8769, 32.8292

Details

The Yxy color **28.8935, 0.4115, 0.5115** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.3453, 0.1518, 0.0610**, and the grayscale version is **23.8678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7900, 0.3988, 0.4790**, and **11.7269, 0.4015, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **28.8950, 0.4115, 0.5115**, and if you desaturate by 10%, it is **28.9948, 0.4096, 0.5062**.

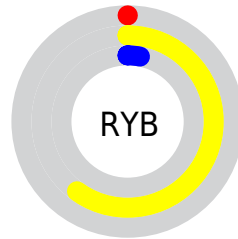
Distribution



Red (57%)

Green (60%)

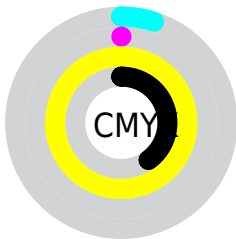
Blue (0%)



Red (0%)

Yellow (60%)

Blue (3%)

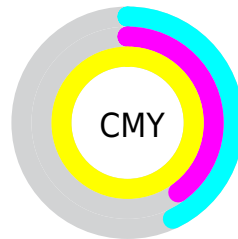


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (43%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8935, 0.4115, 0.5115 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 28.8935, 0.4115, 0.5115 by changing the saturation by 10% instead.


 28.8935, 0.4115,
0.5115


 28.8935, 0.4115,
0.5115


296.7121, 0.3682,
0.4178


 19.0003, 0.4171,
0.5320


 57.9078, 0.3989,
0.4787


 11.6705, 0.4217,
0.5572


 77.7977, 0.3931,
0.4658


 6.5197, 0.4183,
0.5817


 101.7886, 0.3878,
0.4547


 3.1636, 0.3988,
0.6012

 130.2649, 0.3830,
0.4452

 1.2177, 0.3611,
0.6389

 163.6111, 0.3787,
0.4370


 0.0761, 0.0000,
1.0000

 202.2114, 0.3748,

 0.0000, 0.0000,

0.4297


0.0000


 246.4503, 0.3713,
0.4234


 28.8935, 0.4115,
0.5115

 28.8935, 0.4115,
0.5115


 28.8950, 0.4115,
0.5115

 28.9948, 0.4096,
0.5062

 29.1211, 0.4058,
0.4978

 29.2859, 0.3995,
0.4852

 29.4942, 0.3909,
0.4687

 29.7499, 0.3801,
0.4488

■ 30.0567, 0.3678,
0.4263

■ 30.4180, 0.3544,
0.4023

■ 30.8366, 0.3404,
0.3776

■ 31.3155, 0.3264,
0.3529

Harmonies

Analogous

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



28.8935, 0.4892, 0.4449



28.8935, 0.4115, 0.5115



28.8935, 0.3152, 0.5276

Triad

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



28.8935, 0.4115, 0.5115



28.8935, 0.1394, 0.2307



28.8935, 0.3886, 0.2400

Complementary

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



28.8935, 0.4115, 0.5115



2.3453, 0.1518, 0.0610

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.



28.8935, 0.2784, 0.1959



28.8935, 0.4115, 0.5115



28.8935, 0.1514, 0.1856

Square

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



28.8935, 0.4115, 0.5115



28.8935, 0.1615, 0.3234



28.8935, 0.1965, 0.1766



28.8935, 0.4865, 0.3013

Rectangle

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



28.8935, 0.4115, 0.5115



28.8935, 0.2516, 0.4849



28.8935, 0.1965, 0.1766



28.8935, 0.3505, 0.2229

Sweetspot

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



28.8950, 0.4115, 0.5115



54.4298, 0.3552, 0.4037



6.8835, 0.6370, 0.3324



11.9615, 0.3604, 0.4131



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.



28.8950, 0.4115, 0.5115



51.7210, 0.4113, 0.5116



24.1391, 0.3332, 0.5737



7.2085, 0.3254, 0.3510



23.8834, 0.4115, 0.5114



0.3609, 0.4153, 0.5085

Inverse Universe

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



2.3453, 0.1518, 0.0610



4.1777, 0.1513, 0.0607



4.0762, 0.2104, 0.0932



6.0391, 0.2995, 0.3061



1.9423, 0.1520, 0.0611



0.0322, 0.1616, 0.0664

Previews

White Background



This preview shows how the Yxy color 28.8935, 0.4115, 0.5115 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 28.8935, 0.4115, 0.5115 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 28.8935, 0.4115, 0.5115

Background



This preview shows how black text looks on a background with the Yxy color 28.8935, 0.4115, 0.5115.



This preview shows how white text looks on a background with the Yxy color 28.8935, 0.4115, 0.5115.

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

28.8935, 0.4115, 0.5115

Protanopia

28.8668, 0.4397, 0.4891

Deuteranopia

28.8455, 0.4658, 0.4569



Tritanopia

28.8140, 0.3178, 0.3122

Trichromacy



Original Color

28.8935, 0.4115, 0.5115

Protanomaly

28.7640, 0.4295, 0.4972

Deuteranomaly

28.6389, 0.4471, 0.4769

Tritanomaly

28.1931, 0.3697, 0.4076

Monochromacy



Original Color

28.8935, 0.4115, 0.5115

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 28.8935, 0.4115, 0.5115 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, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 153, 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, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.8935, 0.4115, 0.5115 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, 153, 0) }
```

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

```
.border{ border-color:rgb(146, 153, 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, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8935, 0.4115, 0.5115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 153, 0) }
```

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

```
.background{ background-color: rgb(146,  
153, 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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