

Converting Colors

$Y_{xy}(27.8912, 0.3817, 0.5351)$

Have a look what the booklet for
Yxy(27.8912, 0.3817, 0.5351)
contains.

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Color

Yxy(27.9145, 0.3817, 0.5351)

Conversions

Conversions Part 1

Format	Color
Hex	7A9C00
RGB	122, 156, 0
RGB Percent	48%, 61%, 0%
CMY	0.5217, 0.3882, 0.9997
CMYK	0.22, 0.00, 1.00, 0.39
HSL	73°, 100%, 31%
HSV	73°, 100%, 61%
XYZ	19.9121, 27.9145, 4.3403
YIQ	128.0500, 29.8120, -55.7240

Conversions

Conversions Part 2

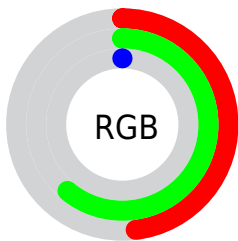
Format	Color
RYB	0, 156, 34
Decimal	8035328
CIELab	59.81, -29.81, 62.39
CIELCh	60, 69.147, 115.542
Yxy	27.9145, 0.3817, 0.5351
Android (android.graphics.Color)	4286225408 (0xFF7A9C00)
YUV	128.0500, -63.1286, -5.3058
Hunter-Lab	52.8342, -25.1869, 32.1133

Details

The Yxy color **27.9145, 0.3817, 0.5351** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.7441, 0.1624, 0.0669**, and the grayscale version is **21.8223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5214, 0.3752, 0.4952**, and **11.3321, 0.3616, 0.5511** is the 20% darker color. If you saturate the color by 10%, you get **27.9144, 0.3817, 0.5351**, and if you desaturate by 10%, it is **28.2049, 0.3828, 0.5268**.

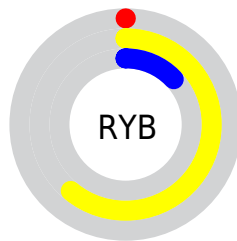
Distribution



Red (48%)

Green (61%)

Blue (0%)



Red (0%)

Yellow (61%)

Blue (13%)

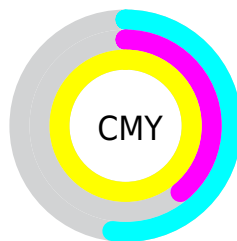


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (52%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9145, 0.3817, 0.5351 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 27.9145, 0.3817, 0.5351 by changing the saturation by 10% instead.

 27.9145, 0.3817,
0.5351


 27.9145, 0.3817,
0.5351


292.0581, 0.3549,
0.4243


 18.2612, 0.3826,
0.5616


 56.3479, 0.3755,
0.4947


 11.1377, 0.3808,
0.5958


 75.8968, 0.3720,
0.4793


 6.1595, 0.3678,
0.6322


 99.5131, 0.3685,
0.4664

 2.9423, 0.3330,
0.6670

 127.5811, 0.3653,
0.4554


 1.1017, 0.2166,
0.7834


 160.4852, 0.3624,
0.4460


 0.0000, 0.0000,
0.0000

 198.6098, 0.3596,

0.4378


 242.3393, 0.3572,
0.4306


 27.9145, 0.3817,
0.5351


 27.9145, 0.3817,
0.5351


 27.9144, 0.3817,
0.5351

 28.2049, 0.3828,
0.5268

 28.5305, 0.3820,
0.5150

 28.9050, 0.3787,
0.4988

 29.3333, 0.3731,
0.4787

 29.8200, 0.3654,
0.4556

■ 30.3689, 0.3561,
0.4305

■ 30.9836, 0.3458,
0.4045

■ 31.6673, 0.3348,
0.3784

■ 32.4230, 0.3237,
0.3531

Harmonies

Analogous

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



27.9145, 0.4724, 0.4732



27.9145, 0.3817, 0.5351



27.9145, 0.2801, 0.5238

Triad

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



27.9145, 0.3817, 0.5351



27.9145, 0.1330, 0.2052



27.9145, 0.4309, 0.2553

Complementary

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



27.9145, 0.3817, 0.5351



2.7441, 0.1624, 0.0669

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.



27.9145, 0.3125, 0.2029



27.9145, 0.3817, 0.5351



27.9145, 0.1563, 0.1729

Square

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



27.9145, 0.3817, 0.5351



27.9145, 0.1430, 0.2841



27.9145, 0.2150, 0.1740



27.9145, 0.5168, 0.3219

Rectangle

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



27.9145, 0.3817, 0.5351



27.9145, 0.2182, 0.4567



27.9145, 0.2150, 0.1740



27.9145, 0.3919, 0.2357

Sweetspot

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



27.9158, 0.3817, 0.5351



56.1929, 0.3464, 0.4062



8.2050, 0.6124, 0.3519



12.2666, 0.3506, 0.4164



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.9158, 0.3817, 0.5351



50.6053, 0.3810, 0.5357



24.3212, 0.3135, 0.5892



7.6473, 0.3229, 0.3513



23.0056, 0.3820, 0.5349



0.4281, 0.3979, 0.5222

Inverse Universe

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



2.7441, 0.1624, 0.0669



4.9068, 0.1610, 0.0660



5.8356, 0.2512, 0.1158



6.5016, 0.3020, 0.3061



2.2710, 0.1629, 0.0671



0.0569, 0.1989, 0.0869

Previews

White Background



This preview shows how the Yxy color 27.9145, 0.3817, 0.5351 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 27.9145, 0.3817, 0.5351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

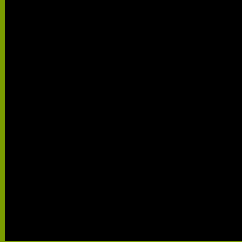
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9145, 0.3817, 0.5351

Background



This preview shows how black text looks on a background with the Yxy color 27.9145, 0.3817, 0.5351.



This preview shows how white text looks on a background with the Yxy color 27.9145, 0.3817, 0.5351.

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

27.9145, 0.3817, 0.5351

Protanopia

27.6279, 0.4401, 0.4888

Deuteranopia

27.5159, 0.4638, 0.4547



Tritanopia

27.8360, 0.2914, 0.3095

Trichromacy



Original Color

27.9145, 0.3817, 0.5351

Protanomaly

27.3829, 0.4182, 0.5062

Deuteranomaly

27.1622, 0.4353, 0.4840

Tritanomaly

27.1608, 0.3395, 0.4144

Monochromacy



Original Color

27.9145, 0.3817, 0.5351

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.2067, 0.3575, 0.4327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9145, 0.3817, 0.5351 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(122, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 156, 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(122, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 156, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.9145, 0.3817, 0.5351 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(122, 156, 0) }
```

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

```
.border{ border-color:rgb(122, 156, 0) }
```

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

Here you see how a box with a 4 pixel rgb(122, 156, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 156,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9145, 0.3817, 0.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 156, 0) }
```

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

```
.background{ background-color: rgb(122,  
156, 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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