

Converting Colors

$Y_{xy}(18.8336, 0.3025, 0.5979)$

Have a look what the booklet for
Yxy(18.8336, 0.3025, 0.5979)
contains.

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Color

Yxy(18.8343, 0.3026, 0.5980)

Conversions

Conversions Part 1

Format	Color
Hex	0C8C00
RGB	12, 140, 0
RGB Percent	5%, 55%, 0%
CMY	0.9525, 0.4510, 1.0000
CMYK	0.91, 0.00, 1.00, 0.45
HSL	115°, 100%, 27%
HSV	115°, 100%, 55%
XYZ	9.5305, 18.8343, 3.1307
YIQ	85.7680, -31.3480, -70.6760

Conversions

Conversions Part 2

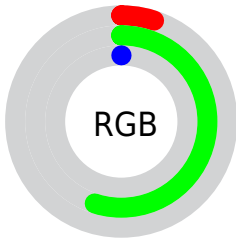
Format	Color
RYB	0, 140, 128
Decimal	822272
CIELab	50.49, -54.32, 53.37
CIELCh	50, 76.151, 135.503
Yxy	18.8343, 0.3026, 0.5980
Android (android.graphics.Color)	4279012352 (0xFF0C8C00)
YUV	85.7680, -42.2836, -64.6945
Hunter-Lab	43.3985, -36.7479, 26.1019

Details

The Yxy color **18.8343, 0.3026, 0.5980** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.4736, 0.2997, 0.1425**, and the grayscale version is **9.3585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5593, 0.3150, 0.5312**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.8352, 0.3026, 0.5979**, and if you desaturate by 10%, it is **18.9934, 0.3041, 0.5860**.

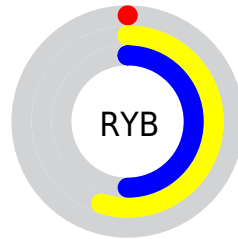
Distribution



Red (5%)

Green (55%)

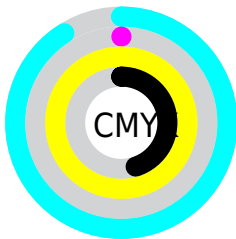
Blue (0%)



Red (0%)

Yellow (55%)

Blue (50%)

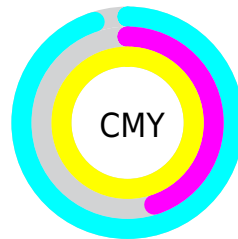


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (95%)


Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8343, 0.3026, 0.5980 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 18.8343, 0.3026, 0.5980 by changing the saturation by 10% instead.


 18.8343, 0.3026,
0.5980


 18.8343, 0.3026,
0.5980


245.5325, 0.3211,
0.4346


 11.5506, 0.2883,
0.6467


 41.4539, 0.3151,
0.5317

 6.4385, 0.2691,
0.7309


 57.5586, 0.3177,
0.5087


 3.1135, 0.2105,
0.7895

 77.3725, 0.3193,
0.4902

 1.1913, 0.0000,
1.0000

 101.2798, 0.3202,
0.4750


 0.0546, 0.0000,
1.0000


 129.6651, 0.3208,
0.4623

 0.0000, 0.0000,
0.0000


 162.9127, 0.3210,


0.4517


 201.4071, 0.3211,
0.4425


 18.8343, 0.3026,
0.5980


 18.8343, 0.3026,
0.5980


 18.8352, 0.3026,
0.5979

 18.9934, 0.3041,
0.5860

 19.2463, 0.3062,
0.5679

 19.6138, 0.3081,
0.5427

 20.1074, 0.3098,
0.5123

 20.7373, 0.3111,
0.4790

■ 21.5126, 0.3120,
0.4450

■ 22.4416, 0.3126,
0.4121

■ 23.5320, 0.3128,
0.3815

■ 24.7909, 0.3129,
0.3537

Harmonies

Analogous

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



18.8343, 0.4204, 0.5516



18.8343, 0.3026, 0.5980



18.8343, 0.1928, 0.4949

Triad

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



18.8343, 0.3026, 0.5980



18.8343, 0.1171, 0.1514



18.8343, 0.5398, 0.2866

Complementary

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



18.8343, 0.3026, 0.5980



6.4736, 0.2997, 0.1425

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.



18.8343, 0.4092, 0.2166



18.8343, 0.3026, 0.5980



18.8343, 0.1675, 0.1434

Square

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



18.8343, 0.3026, 0.5980



18.8343, 0.1025, 0.2001



18.8343, 0.2654, 0.1659



18.8343, 0.5779, 0.3643

Rectangle

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



18.8343, 0.3026, 0.5980



18.8343, 0.1407, 0.3719



18.8343, 0.2654, 0.1659



18.8343, 0.5037, 0.2621

Sweetspot

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



18.8352, 0.3026, 0.5979



39.4537, 0.3126, 0.4142



20.4972, 0.4376, 0.4908



8.9445, 0.3124, 0.4262



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.8352, 0.3026, 0.5979



33.1754, 0.3020, 0.5984



19.0418, 0.2802, 0.5287



5.6276, 0.3129, 0.3515



16.7402, 0.3027, 0.5978



0.1136, 0.3152, 0.5879

Inverse Universe

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



6.4736, 0.2997, 0.1425



11.3785, 0.2993, 0.1422



6.2156, 0.4504, 0.2255



5.1074, 0.3124, 0.3074



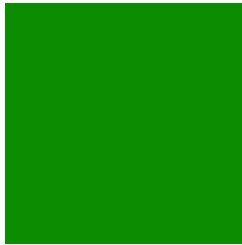
5.7563, 0.2998, 0.1425



0.0412, 0.3110, 0.1487

Previews

White Background



This preview shows how the Yxy color 18.8343, 0.3026, 0.5980 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 18.8343, 0.3026, 0.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

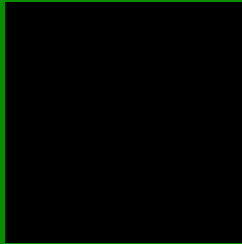
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8343, 0.3026, 0.5980

Background



This preview shows how black text looks on a background with the Yxy color 18.8343, 0.3026, 0.5980.



This preview shows how white text looks on a background with the Yxy color 18.8343, 0.3026, 0.5980.

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

18.8343, 0.3026, 0.5980

Protanopia

18.5838, 0.4397, 0.4891

Deuteranopia

18.6124, 0.4562, 0.4510



Tritanopia

18.8490, 0.2380, 0.3061

Trichromacy



Original Color

18.8343, 0.3026, 0.5980



Protanomaly

17.3524, 0.3703, 0.5442



Deuteranomaly

16.9223, 0.3820, 0.5190



Tritanomaly

18.3020, 0.2689, 0.4329

Monochromacy



Original Color

18.8343, 0.3026, 0.5980



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.5137, 0.3109, 0.4681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8343, 0.3026, 0.5980 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(12, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 140, 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(12, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.8343, 0.3026, 0.5980 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(12, 140, 0) }
```

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

```
.border{ border-color:rgb(12, 140, 0) }
```

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

Here you see how a box with a 4 pixel rgb(12, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 140, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.8343, 0.3026, 0.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 140, 0) }
```

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

```
.background{ background-color: rgb(12, 140,  
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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