

Converting Colors

$Y_{xy}(11.8863, 0.3130, 0.5897)$

Have a look what the booklet for
Yxy(11.8863, 0.3130, 0.5897)
contains.

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Color

Yxy(11.8496, 0.3134, 0.5894)

Conversions

Conversions Part 1

Format	Color
Hex	1D7000
RGB	29, 112, 0
RGB Percent	11%, 44%, 0%
CMY	0.8863, 0.5608, 1.0000
CMYK	0.74, 0.00, 1.00, 0.56
HSL	104°, 100%, 22%
HSV	104°, 100%, 44%
XYZ	6.3008, 11.8496, 1.9542
YIQ	74.4150, -13.5160, -52.4280

Conversions

Conversions Part 2

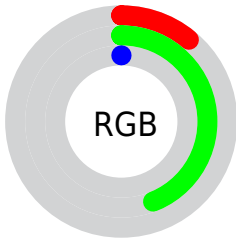
Format	Color
RYB	0, 112, 83
Decimal	1929216
CIELab	40.98, -43.23, 45.87
CIELCh	41, 63.030, 133.301
Yxy	11.8496, 0.3134, 0.5894
Android (android.graphics.Color)	4280119296 (0xFF1D7000)
YUV	74.4150, -36.6866, -39.8290
Hunter-Lab	34.4232, -27.5684, 20.7305

Details

The Yxy color **11.8496, 0.3134, 0.5894** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.0090, 0.2590, 0.1200**, and the grayscale version is **6.9947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3112, 0.3234, 0.5181**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.8502, 0.3134, 0.5894**, and if you desaturate by 10%, it is **12.0125, 0.3167, 0.5738**.

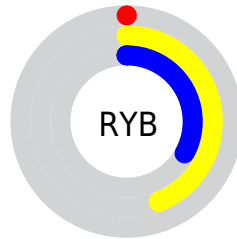
Distribution



Red (11%)

Green (44%)

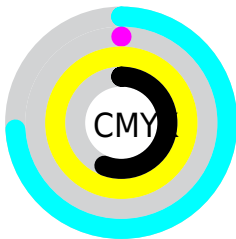
Blue (0%)



Red (0%)

Yellow (44%)

Blue (33%)

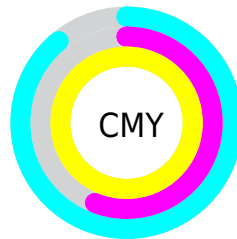


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (89%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8496, 0.3134, 0.5894 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 11.8496, 0.3134, 0.5894 by changing the saturation by 10% instead.


 11.8496, 0.3134,
0.5894


 11.8496, 0.3134,
0.5894

 203.4070, 0.3248,
0.4225


 6.6413, 0.2999,
0.6486


 29.2209, 0.3239,
0.5180


 3.2388, 0.2689,
0.7311

 42.1527, 0.3254,
0.4945

 1.2577, 0.0734,
0.9266

 58.4278, 0.3260,
0.4759

 0.1081, 0.0000,
1.0000

 78.4307, 0.3261,
0.4610


 0.0000, 0.0000,
0.0000


 102.5456, 0.3260,
0.4487

 131.1571, 0.3256,


0.4385


 164.6494, 0.3253,
0.4299

 11.8496, 0.3134,
0.5894

 11.8496, 0.3134,
0.5894


 11.8502, 0.3134,
0.5894

 12.0125, 0.3167,
0.5738

 12.2200, 0.3200,
0.5545

 12.4837, 0.3222,
0.5296

 12.8075, 0.3232,
0.5009

 13.1953, 0.3231,
0.4700

■ 13.6504, 0.3220,
0.4386

■ 14.1759, 0.3203,
0.4081

■ 14.7749, 0.3180,
0.3794

■ 15.4499, 0.3154,
0.3529

Harmonies

Analogous

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



11.8496, 0.4288, 0.5415



11.8496, 0.3134, 0.5894



11.8496, 0.2040, 0.5004

Triad

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



11.8496, 0.3134, 0.5894



11.8496, 0.1192, 0.1578



11.8496, 0.5256, 0.2833

Complementary

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



11.8496, 0.3134, 0.5894



3.0090, 0.2590, 0.1200

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.



11.8496, 0.3955, 0.2152



11.8496, 0.3134, 0.5894



11.8496, 0.1661, 0.1471

Square

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



11.8496, 0.3134, 0.5894



11.8496, 0.1073, 0.2100



11.8496, 0.2584, 0.1671



11.8496, 0.5715, 0.3597

Rectangle

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



11.8496, 0.3134, 0.5894



11.8496, 0.1501, 0.3839



11.8496, 0.2584, 0.1671



11.8496, 0.4886, 0.2593

Sweetspot

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



11.8502, 0.3134, 0.5894



24.8253, 0.3204, 0.4105



9.4999, 0.4729, 0.4627



5.8892, 0.3211, 0.4203



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.8502, 0.3134, 0.5894



20.7631, 0.3119, 0.5906



11.6641, 0.2909, 0.5671



3.8011, 0.3152, 0.3504



13.6887, 0.3130, 0.5897



67.8273, 0.3098, 0.5922

Inverse Universe

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



3.0090, 0.2590, 0.1200



5.2255, 0.2574, 0.1191



4.1147, 0.3869, 0.1905



3.4121, 0.3100, 0.3080



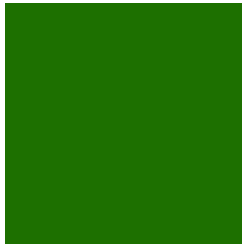
3.4673, 0.2585, 0.1198



16.8417, 0.2550, 0.1179

Previews

White Background



This preview shows how the Yxy color 11.8496, 0.3134, 0.5894 looks on a white 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

Black Background



This preview shows how the Yxy color 11.8496, 0.3134, 0.5894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

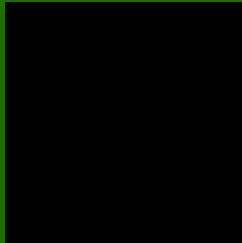
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8496, 0.3134, 0.5894

Background



This preview shows how black text looks on a background with the Yxy color 11.8496, 0.3134, 0.5894.



This preview shows how white text looks on a background with the Yxy color 11.8496, 0.3134, 0.5894.

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

11.8496, 0.3134, 0.5894

Protanopia

11.8006, 0.4390, 0.4896

Deuteranopia

11.6131, 0.4555, 0.4486



Tritanopia

11.8772, 0.2440, 0.3065

Trichromacy



Original Color

11.8496, 0.3134, 0.5894

Protanomaly

11.2082, 0.3837, 0.5336

Deuteranomaly

11.0329, 0.3944, 0.5076

Tritanomaly

11.5412, 0.2780, 0.4272

Monochromacy



Original Color

11.8496, 0.3134, 0.5894

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

8.0842, 0.3233, 0.4547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8496, 0.3134, 0.5894 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(29, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(29, 112, 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(29, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.8496, 0.3134, 0.5894 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(29, 112, 0) }
```

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

```
.border{ border-color:rgb(29, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(29, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(29, 112, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8496, 0.3134, 0.5894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 112, 0) }
```

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

```
.background{ background-color: rgb(29, 112,  
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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