

Converting Colors

$Y_{xy}(12.0420, 0.3200, 0.6172)$

Have a look what the booklet for
Yxy(12.0420, 0.3200, 0.6172)
contains.

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Color

Yxy(12.0433, 0.3118, 0.5906)

Conversions

Conversions Part 1

Format	Color
Hex	1B7100
RGB	27, 113, 0
RGB Percent	11%, 44%, 0%
CMY	0.8939, 0.5569, 0.9999
CMYK	0.76, 0.00, 1.00, 0.56
HSL	106°, 100%, 22%
HSV	106°, 100%, 44%
XYZ	6.3581, 12.0433, 1.9902
YIQ	74.4040, -14.9830, -53.3750

Conversions

Conversions Part 2

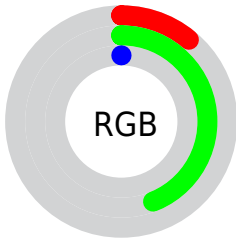
Format	Color
RYB	0, 113, 86
Decimal	1798400
CIELab	41.28, -43.95, 46.08
CIELCh	41, 63.679, 133.641
Yxy	12.0433, 0.3118, 0.5906
Android (android.graphics.Color)	4279988480 (0xFF1B7100)
YUV	74.4040, -36.6812, -41.5733
Hunter-Lab	34.7035, -28.0276, 20.8922

Details

The Yxy color **12.0433, 0.3118, 0.5906** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.1708, 0.2636, 0.1226**, and the grayscale version is **6.9955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6249, 0.3223, 0.5194**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.0434, 0.3118, 0.5906**, and if you desaturate by 10%, it is **12.2037, 0.3150, 0.5752**.

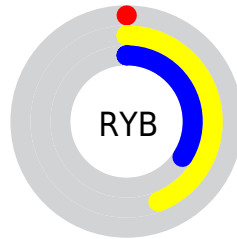
Distribution



Red (11%)

Green (44%)

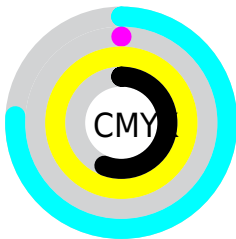
Blue (0%)



Red (0%)

Yellow (44%)

Blue (34%)

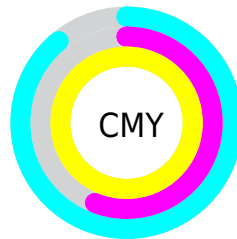


Cyan (76%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (89%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0433, 0.3118, 0.5906 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 12.0433, 0.3118, 0.5906 by changing the saturation by 10% instead.


 12.0433, 0.3118,
0.5906


 12.0433, 0.3118,
0.5906


 204.6917, 0.3243,
0.4231

 6.7732, 0.2979,
0.6494


 29.5739, 0.3227,
0.5191


 3.3207, 0.2671,
0.7329

 42.6032, 0.3244,
0.4954

 1.3013, 0.0809,
0.9191

 58.9877, 0.3251,
0.4768

 0.1422, 0.0000,
1.0000

 79.1118, 0.3253,
0.4618


 0.0000, 0.0000,
0.0000

 103.3598, 0.3252,
0.4495


 132.1162, 0.3250,

0.4392


 165.7654, 0.3246,
0.4305

 12.0433, 0.3118,
0.5906

 12.0433, 0.3118,
0.5906


 12.0434, 0.3118,
0.5906

 12.2037, 0.3150,
0.5752

 12.4113, 0.3182,
0.5558

 12.6777, 0.3204,
0.5308

 13.0074, 0.3216,
0.5018

 13.4042, 0.3216,
0.4707

■ 13.8720, 0.3209,
0.4391

■ 14.4139, 0.3194,
0.4084

■ 15.0332, 0.3174,
0.3795

■ 15.7327, 0.3151,
0.3529

Harmonies

Analogous

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



12.0433, 0.4276, 0.5431



12.0433, 0.3118, 0.5906



12.0433, 0.2023, 0.4995

Triad

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



12.0433, 0.3118, 0.5906



12.0433, 0.1189, 0.1568



12.0433, 0.5277, 0.2838

Complementary

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



12.0433, 0.3118, 0.5906



3.1708, 0.2636, 0.1226

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.



12.0433, 0.3975, 0.2155



12.0433, 0.3118, 0.5906



12.0433, 0.1664, 0.1466

Square

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



12.0433, 0.3118, 0.5906



12.0433, 0.1066, 0.2085



12.0433, 0.2594, 0.1670



12.0433, 0.5724, 0.3604

Rectangle

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



12.0433, 0.3118, 0.5906



12.0433, 0.1487, 0.3821



12.0433, 0.2594, 0.1670



12.0433, 0.4908, 0.2597

Sweetspot

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



12.0438, 0.3118, 0.5906



25.7252, 0.3195, 0.4108



9.9696, 0.4690, 0.4658



5.8746, 0.3200, 0.4206



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.



12.0438, 0.3118, 0.5906



21.5122, 0.3103, 0.5918



11.8955, 0.2899, 0.5637



3.7982, 0.3149, 0.3505



13.6531, 0.3114, 0.5909



67.6700, 0.3084, 0.5933

Inverse Universe

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



3.1708, 0.2636, 0.1226



5.6150, 0.2621, 0.1217



4.1634, 0.3925, 0.1936



3.4153, 0.3103, 0.3080



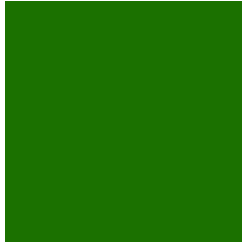
3.5864, 0.2632, 0.1224



17.4547, 0.2600, 0.1206

Previews

White Background



This preview shows how the Yxy color 12.0433, 0.3118, 0.5906 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 12.0433, 0.3118, 0.5906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

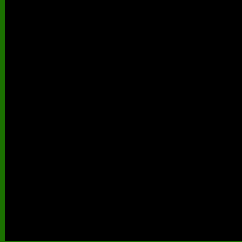
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0433, 0.3118, 0.5906

Background



This preview shows how black text looks on a background with the Yxy color 12.0433, 0.3118, 0.5906.



This preview shows how white text looks on a background with the Yxy color 12.0433, 0.3118, 0.5906.

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

12.0433, 0.3118, 0.5906

Protanopia

11.8644, 0.4406, 0.4883

Deuteranopia

11.8578, 0.4553, 0.4492



Tritanopia

12.0749, 0.2427, 0.3066

Trichromacy



Original Color

12.0433, 0.3118, 0.5906

Protanomaly

11.4060, 0.3824, 0.5346

Deuteranomaly

11.1751, 0.3914, 0.5101

Tritanomaly

11.7416, 0.2764, 0.4267

Monochromacy



Original Color

12.0433, 0.3118, 0.5906

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

8.0545, 0.3217, 0.4553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0433, 0.3118, 0.5906 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(27, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(27, 113, 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(27, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.0433, 0.3118, 0.5906 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(27, 113, 0) }
```

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

```
.border{ border-color:rgb(27, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(27, 113, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0433, 0.3118, 0.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 113, 0) }
```

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

```
.background{ background-color: rgb(27, 113,  
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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