

Converting Colors

$Y_{xy}(11.6901, 0.3130, 0.6369)$

Have a look what the booklet for
Yxy(11.6901, 0.3130, 0.6369)
contains.

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Color

Yxy(11.8490, 0.3020, 0.5984)

Conversions

Conversions Part 1

Format	Color
Hex	067100
RGB	6, 113, 0
RGB Percent	2%, 44%, 0%
CMY	0.9766, 0.5569, 0.9999
CMYK	0.95, 0.00, 1.00, 0.56
HSL	117°, 100%, 22%
HSV	117°, 100%, 44%
XYZ	5.9799, 11.8490, 1.9722
YIQ	68.1250, -27.4990, -57.8270

Conversions

Conversions Part 2

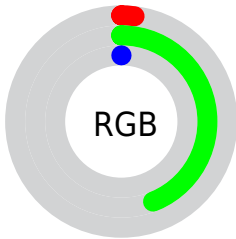
Format	Color
RYB	0, 113, 107
Decimal	422144
CIELab	40.98, -46.72, 45.71
CIELCh	41, 65.360, 135.626
Yxy	11.8490, 0.3020, 0.5984
Android (android.graphics.Color)	4278612224 (0xFF067100)
YUV	68.1250, -33.5856, -54.4836
Hunter-Lab	34.4224, -29.2297, 20.6987

Details

The Yxy color **11.8490, 0.3020, 0.5984** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.3220, 0.3083, 0.1472**, and the grayscale version is **5.8591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2184, 0.3153, 0.5236**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.8494, 0.3020, 0.5984**, and if you desaturate by 10%, it is **11.9520, 0.3028, 0.5844**.

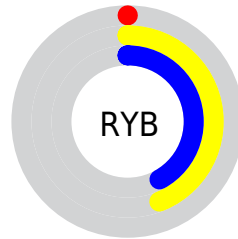
Distribution



Red (2%)

Green (44%)

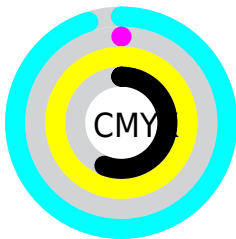
Blue (0%)



Red (0%)

Yellow (44%)

Blue (42%)

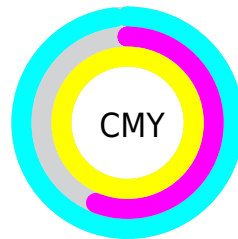


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (98%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8490, 0.3020, 0.5984 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 11.8490, 0.3020, 0.5984 by changing the saturation by 10% instead.


 11.8490, 0.3020,
0.5984


 11.8490, 0.3020,
0.5984


 203.4031, 0.3208,
0.4247


 6.6409, 0.2858,
0.6606


 29.2198, 0.3157,
0.5237


 3.2386, 0.2513,
0.7487

 42.1513, 0.3182,
0.4992

 1.2575, 0.0113,
0.9887

 58.4261, 0.3196,
0.4799

 0.1080, 0.0000,
1.0000


 78.4286, 0.3204,
0.4644


 0.0000, 0.0000,
0.0000


 102.5431, 0.3207,
0.4517


 131.1541, 0.3209,


0.4412


 164.6460, 0.3209,
0.4323


 11.8490, 0.3020,
0.5984


 11.8490, 0.3020,
0.5984


 11.8494, 0.3020,
0.5984

 11.9520, 0.3028,
0.5844

 12.1095, 0.3044,
0.5655

 12.3396, 0.3061,
0.5399

 12.6498, 0.3076,
0.5094

 13.0465, 0.3090,
0.4763

■ 13.5355, 0.3102,
0.4428

■ 14.1222, 0.3111,
0.4104

■ 14.8115, 0.3118,
0.3804

■ 15.6078, 0.3124,
0.3532

Harmonies

Analogous

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



11.8490, 0.4211, 0.5538



11.8490, 0.3020, 0.5984



11.8490, 0.1922, 0.4945

Triad

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



11.8490, 0.3020, 0.5984



11.8490, 0.1170, 0.1511



11.8490, 0.5405, 0.2868

Complementary

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



11.8490, 0.3020, 0.5984



4.3220, 0.3083, 0.1472

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.



11.8490, 0.4099, 0.2167



11.8490, 0.3020, 0.5984



11.8490, 0.1676, 0.1433

Square

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



11.8490, 0.3020, 0.5984



11.8490, 0.1023, 0.1996



11.8490, 0.2659, 0.1659



11.8490, 0.5782, 0.3645

Rectangle

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



11.8490, 0.3020, 0.5984



11.8490, 0.1402, 0.3712



11.8490, 0.2659, 0.1659



11.8490, 0.5045, 0.2623

Sweetspot

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



11.8495, 0.3020, 0.5984



25.1943, 0.3111, 0.4130



13.7103, 0.4309, 0.4960



5.7450, 0.3108, 0.4232



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.



11.8495, 0.3020, 0.5984



21.1987, 0.3015, 0.5988



12.0326, 0.2763, 0.5147



3.7708, 0.3124, 0.3506



13.4376, 0.3019, 0.5985



66.8215, 0.3008, 0.5994

Inverse Universe

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



4.3220, 0.3083, 0.1472



7.7205, 0.3080, 0.1470



3.8819, 0.4601, 0.2308



3.4450, 0.3129, 0.3082



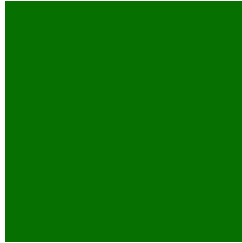
4.8992, 0.3083, 0.1472



24.2857, 0.3075, 0.1468

Previews

White Background



This preview shows how the Yxy color 11.8490, 0.3020, 0.5984 looks on a white background.

Color Contrast Check

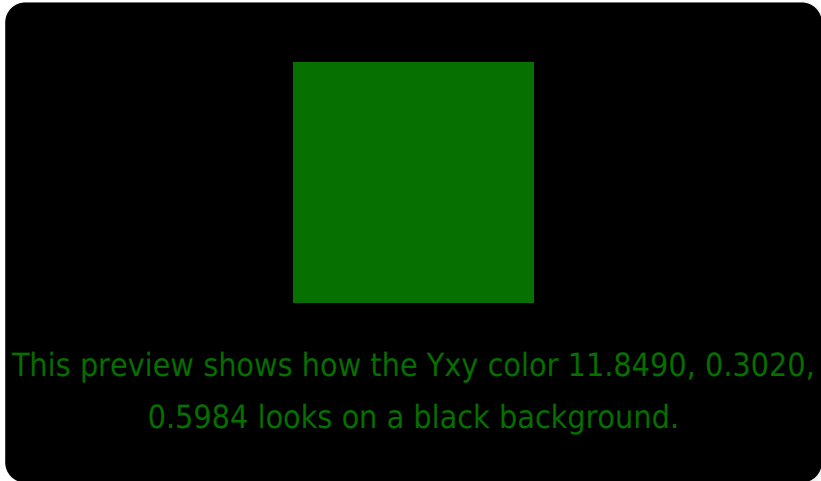
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

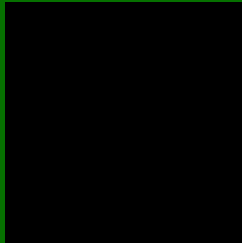
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8490, 0.3020, 0.5984

Background



This preview shows how black text looks on a background with the Yxy color 11.8490, 0.3020, 0.5984.



This preview shows how white text looks on a background with the Yxy color 11.8490, 0.3020, 0.5984.

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

11.8490, 0.3020, 0.5984

Protanopia

11.8006, 0.4390, 0.4896

Deuteranopia

11.7894, 0.4529, 0.4492



Tritanopia

11.9464, 0.2387, 0.3064

Trichromacy



Original Color

11.8490, 0.3020, 0.5984

Protanomaly

11.0782, 0.3698, 0.5446

Deuteranomaly

10.8140, 0.3777, 0.5186

Tritanomaly

11.5295, 0.2677, 0.4291

Monochromacy



Original Color

11.8490, 0.3020, 0.5984

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

7.0730, 0.3092, 0.4664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8490, 0.3020, 0.5984 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(6, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(6, 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(6, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.8490, 0.3020, 0.5984 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(6, 113, 0) }
```

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

```
.border{ border-color:rgb(6, 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(6, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 113, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 113, 0); box-shadow:4px  
4px 4px 4px rgb(6, 113, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8490, 0.3020, 0.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 113, 0) }
```

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

```
.background{ background-color: rgb(6, 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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