

Converting Colors

$Yxy(16.8053, 0.3011, 0.5877)$

Have a look what the booklet for
Yxy(16.8053, 0.3011, 0.5877)
contains.

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Color

Yxy(16.9057, 0.3011, 0.5880)

Conversions

Conversions Part 1

Format	Color
Hex	0F850D
RGB	15, 133, 13
RGB Percent	6%, 52%, 5%
CMY	0.9413, 0.4784, 0.9489
CMYK	0.89, 0.00, 0.90, 0.48
HSL	119°, 82%, 29%
HSV	119°, 90%, 52%
XYZ	8.6570, 16.9057, 3.1885
YIQ	84.0380, -31.8080, -62.3360

Conversions

Conversions Part 2

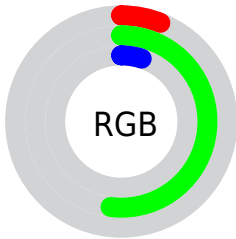
Format	Color
RYB	13, 133, 131
Decimal	1017101
CIELab	48.14, -51.51, 48.94
CIELCh	48, 71.050, 136.462
Yxy	16.9057, 0.3011, 0.5880
Android (android.graphics.Color)	4279207181 (0xFF0F850D)
YUV	84.0380, -35.0217, -60.5463
Hunter-Lab	41.1165, -34.3712, 24.1838

Details

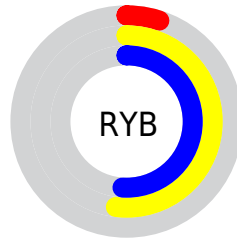
The Yxy color **16.9057, 0.3011, 0.5880** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.8128, 0.3172, 0.1572**, and the grayscale version is **8.9520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0218, 0.3130, 0.5212**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.7898, 0.3005, 0.5996**, and if you desaturate by 10%, it is **17.0997, 0.3022, 0.5704**.

Distribution



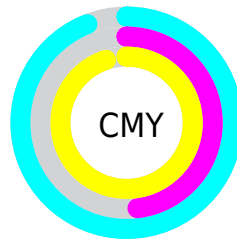
- Red (6%)
- Green (52%)
- Blue (5%)



- Red (5%)
- Yellow (52%)
- Blue (51%)



- Cyan (89%)
- Magenta (0%)
- Yellow (90%)
- Black (48%)




- Cyan (94%)
- Magenta (48%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9057, 0.3011, 0.5880 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 16.9057, 0.3011, 0.5880 by changing the saturation by 10% instead.


 16.9057, 0.3011,
0.5880


 16.9057, 0.3011,
0.5880

234.6284, 0.3192,
0.4278


 10.1673, 0.2871,
0.6382


 38.1636, 0.3131,
0.5216


 5.5100, 0.2694,
0.7306

 53.4518, 0.3157,
0.4991

 2.5495, 0.2035,
0.7965

 72.3588, 0.3172,
0.4811

 0.9013, 0.0000,
1.0000


 95.2689, 0.3182,
0.4664

 0.0000, 0.0000,
0.0000

 122.5665, 0.3187,
0.4543


 154.6360, 0.3190,

0.4441


 191.8618, 0.3192,
0.4353

 16.9057, 0.3011,
0.5880


 16.9057, 0.3011,
0.5880


 16.7898, 0.3005,
0.5996

 17.0997, 0.3022,
0.5704

 17.4010, 0.3035,
0.5453

 17.8230, 0.3050,
0.5147

 18.3765, 0.3066,
0.4809

 19.0712, 0.3081,
0.4464

■ 19.9159, 0.3095,
0.4131

■ 20.9186, 0.3107,
0.3821

■ 22.0868, 0.3118,
0.3542

■ 23.4276, 0.3127,
0.3295

Harmonies

Analogous

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



16.9057, 0.4164, 0.5497



16.9057, 0.3011, 0.5880



16.9057, 0.1939, 0.4833

Triad

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



16.9057, 0.3011, 0.5880



16.9057, 0.1222, 0.1548



16.9057, 0.5356, 0.2910

Complementary

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



16.9057, 0.3011, 0.5880



6.8128, 0.3172, 0.1572

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.



16.9057, 0.4112, 0.2216



16.9057, 0.3011, 0.5880



16.9057, 0.1734, 0.1477

Square

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



16.9057, 0.3011, 0.5880



16.9057, 0.1068, 0.2017



16.9057, 0.2710, 0.1708



16.9057, 0.5707, 0.3682

Rectangle

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



16.9057, 0.3011, 0.5880



16.9057, 0.1435, 0.3656



16.9057, 0.2710, 0.1708



16.9057, 0.5015, 0.2667

Sweetspot

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



16.9064, 0.3011, 0.5880



36.1003, 0.3098, 0.4048



21.2495, 0.4188, 0.4982



8.0254, 0.3094, 0.4139



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.9064, 0.3011, 0.5880



30.0589, 0.3004, 0.5997



17.3169, 0.2707, 0.4836



5.2081, 0.3119, 0.3514



15.9921, 0.3005, 0.5996



0.0556, 0.3029, 0.5977

Inverse Universe

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



6.8128, 0.3172, 0.1572



11.6456, 0.3169, 0.1520



5.7838, 0.4608, 0.2404



4.7591, 0.3135, 0.3076



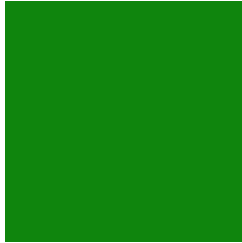
6.1983, 0.3170, 0.1520



0.0218, 0.3191, 0.1532

Previews

White Background



This preview shows how the Yxy color 16.9057, 0.3011, 0.5880 looks on a white background.

Color Contrast Check

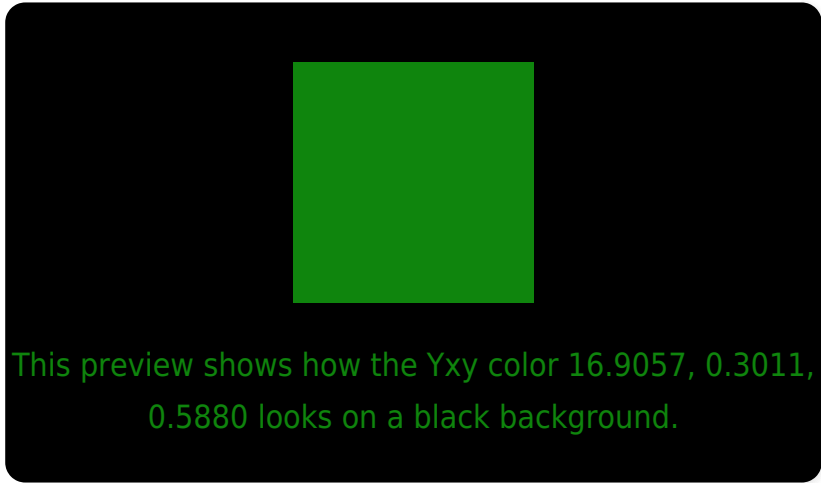
Large Text (above 18pt) WCAG AA ✓ Pass

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

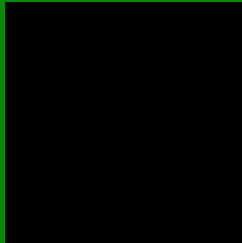
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9057, 0.3011, 0.5880

Background



This preview shows how black text looks on a background with the Yxy color 16.9057, 0.3011, 0.5880.



This preview shows how white text looks on a background with the Yxy color 16.9057, 0.3011, 0.5880.

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

16.9057, 0.3011, 0.5880

Protanopia

16.6238, 0.4393, 0.4894

Deuteranopia

16.6637, 0.4551, 0.4477



Tritanopia

17.0064, 0.2385, 0.3073

Trichromacy



Original Color

16.9057, 0.3011, 0.5880

Protanomaly

15.7119, 0.3708, 0.5397

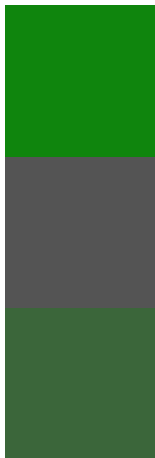
Deuteranomaly

15.2753, 0.3804, 0.5119

Tritanomaly

16.4092, 0.2658, 0.4198

Monochromacy



Original Color

16.9057, 0.3011, 0.5880

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.7380, 0.3082, 0.4522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9057, 0.3011, 0.5880 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(15, 133, 13)` looks like.

```
.text, #text, p{  
    color:rgb(15, 133, 13)  
}
```

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(15, 133, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 133, 13) }
```

Border

The CSS property to change the border of an element to Yxy 16.9057, 0.3011, 0.5880 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(15, 133, 13) }
```

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

```
.border{ border-color:rgb(15, 133, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 133, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 133, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 133, 13);  
box-shadow:4px 4px 4px 4px rgb(15, 133,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9057, 0.3011, 0.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 133, 13) }
```

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

```
.background{ background-color: rgb(15, 133,  
13) }
```

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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