

Converting Colors

$Y_{xy}(10.6398, 0.3060, 0.5953)$

Have a look what the booklet for
Yxy(10.6398, 0.3060, 0.5953)
contains.

Yxy(10.6169, 0.3059, 0.5953)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.6169, 0.3059, 0.5953)

Conversions

Conversions Part 1

Format	Color
Hex	0F6B00
RGB	15, 107, 0
RGB Percent	6%, 42%, 0%
CMY	0.9409, 0.5804, 0.9999
CMYK	0.86, 0.00, 1.00, 0.58
HSL	112°, 100%, 21%
HSV	112°, 100%, 42%
XYZ	5.4556, 10.6169, 1.7621
YIQ	67.2940, -20.4850, -52.7810

Conversions

Conversions Part 2

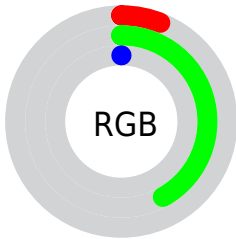
Format	Color
RYB	0, 107, 92
Decimal	1010432
CIELab	38.93, -43.88, 44.11
CIELCh	39, 62.225, 134.850
Yxy	10.6169, 0.3059, 0.5953
Android (android.graphics.Color)	4279200512 (0xFF0F6B00)
YUV	67.2940, -33.1759, -45.8618
Hunter-Lab	32.5836, -27.1344, 19.6022

Details

The Yxy color **10.6169, 0.3059, 0.5953** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.3343, 0.2873, 0.1357**, and the grayscale version is **5.7219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8072, 0.3193, 0.5197**, and **3.0261, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.6172, 0.3059, 0.5953**, and if you desaturate by 10%, it is **10.7361, 0.3078, 0.5798**.

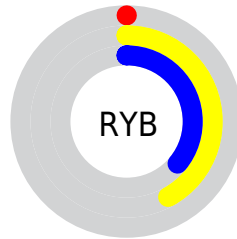
Distribution



Red (6%)

Green (42%)

Blue (0%)



Red (0%)

Yellow (42%)

Blue (36%)

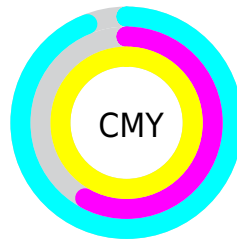


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (94%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6169, 0.3059, 0.5953 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 10.6169, 0.3059, 0.5953 by changing the saturation by 10% instead.


 10.6169, 0.3059,
0.5953


 10.6169, 0.3059,
0.5953


 195.0201, 0.3221,
0.4216


 5.8099, 0.2914,
0.6627

 26.9495, 0.3187,
0.5197


 2.7298, 0.2526,
0.7474


 39.2439, 0.3209,
0.4952

 0.9924, 0.0000,
1.0000

 54.8029, 0.3219,
0.4760

 0.0000, 0.0000,
0.0000


 74.0108, 0.3224,
0.4607


 97.2521, 0.3225,
0.4482


 124.9111, 0.3225,


0.4378


 157.3723, 0.3223,
0.4291


 10.6169, 0.3059,
0.5953


 10.6169, 0.3059,
0.5953

 10.6172, 0.3059,
0.5953

 10.7361, 0.3078,
0.5798

 10.9018, 0.3104,
0.5603

 11.1262, 0.3125,
0.5347

 11.4143, 0.3140,
0.5048

 11.7704, 0.3148,
0.4727

■ 12.1987, 0.3151,
0.4403

■ 12.7028, 0.3150,
0.4089

■ 13.2862, 0.3145,
0.3796

■ 13.9521, 0.3137,
0.3529

Harmonies

Analogous

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



10.6169, 0.4244, 0.5504



10.6169, 0.3059, 0.5953



10.6169, 0.1962, 0.4966

Triad

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



10.6169, 0.3059, 0.5953



10.6169, 0.1178, 0.1534



10.6169, 0.5355, 0.2857

Complementary

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



10.6169, 0.3059, 0.5953



3.3343, 0.2873, 0.1357

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.



10.6169, 0.4050, 0.2162



10.6169, 0.3059, 0.5953



10.6169, 0.1671, 0.1446

Square

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



10.6169, 0.3059, 0.5953



10.6169, 0.1040, 0.2031



10.6169, 0.2633, 0.1663



10.6169, 0.5760, 0.3630

Rectangle

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



10.6169, 0.3059, 0.5953



10.6169, 0.1435, 0.3755



10.6169, 0.2633, 0.1663



10.6169, 0.4990, 0.2613

Sweetspot

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



10.6173, 0.3059, 0.5953



22.6632, 0.3150, 0.4115



10.5997, 0.4469, 0.4833



5.4132, 0.3151, 0.4214



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.6173, 0.3059, 0.5953



18.9753, 0.3047, 0.5962



10.6517, 0.2828, 0.5380



3.4633, 0.3136, 0.3503



12.9073, 0.3055, 0.5957



65.5316, 0.3033, 0.5974

Inverse Universe

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



3.3343, 0.2873, 0.1357



5.9308, 0.2864, 0.1351



3.5627, 0.4272, 0.2127



3.1434, 0.3117, 0.3083



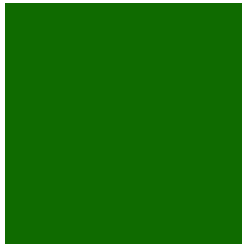
4.0462, 0.2870, 0.1355



20.3338, 0.2850, 0.1344

Previews

White Background



This preview shows how the Yxy color 10.6169, 0.3059, 0.5953 looks on a white background.

Color Contrast Check

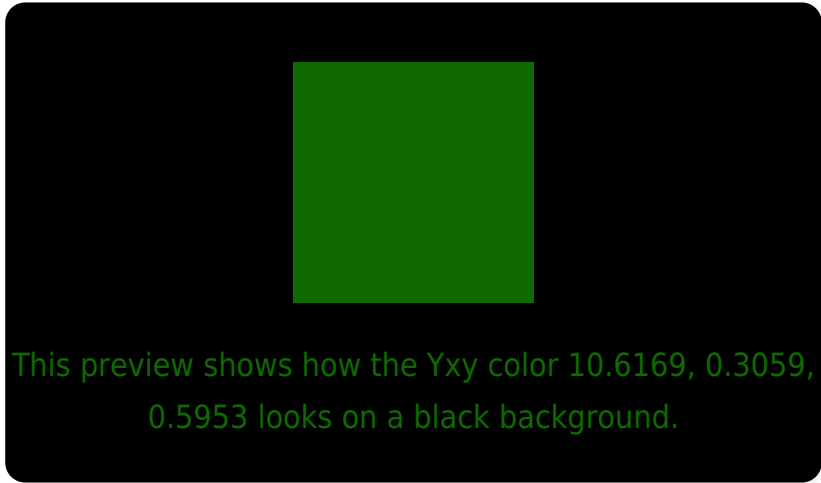
Large Text (above 18pt) WCAG AA ✓ Pass

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

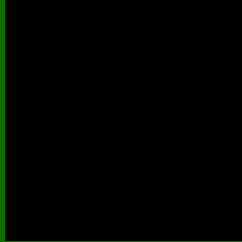
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6169, 0.3059, 0.5953

Background



This preview shows how black text looks on a background with the Yxy color 10.6169, 0.3059, 0.5953.



This preview shows how white text looks on a background with the Yxy color 10.6169, 0.3059, 0.5953.

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

10.6169, 0.3059, 0.5953

Protanopia

10.5379, 0.4383, 0.4902

Deuteranopia

10.5231, 0.4537, 0.4490



Tritanopia

10.6107, 0.2400, 0.3054

Trichromacy



Original Color

10.6169, 0.3059, 0.5953

Protanomaly

9.8890, 0.3754, 0.5401

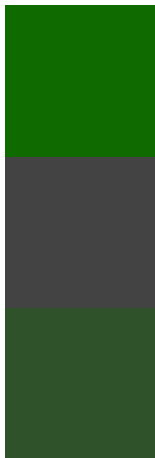
Deuteranomaly

9.7022, 0.3858, 0.5119

Tritanomaly

10.2897, 0.2707, 0.4273

Monochromacy



Original Color

10.6169, 0.3059, 0.5953

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

6.8374, 0.3142, 0.4599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6169, 0.3059, 0.5953 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, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(15, 107, 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(15, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.6169, 0.3059, 0.5953 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, 107, 0) }
```

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

```
.border{ border-color:rgb(15, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(15, 107, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6169, 0.3059, 0.5953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 107, 0) }
```

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

```
.background{ background-color: rgb(15, 107,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor