

Converting Colors

$Y_{xy}(11.1137, 0.2951, 0.5825)$

Have a look what the booklet for
Yxy(11.1137, 0.2951, 0.5825)
contains.

Yxy(11.1893, 0.2951, 0.5825)	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(11.1893, 0.2951, 0.5825)

Conversions

Conversions Part 1

Format	Color
Hex	006E10
RGB	0, 110, 16
RGB Percent	0%, 43%, 6%
CMY	1.0000, 0.5686, 0.9372
CMYK	1.00, 0.00, 0.85, 0.57
HSL	129°, 100%, 22%
HSV	129°, 100%, 43%
XYZ	5.6686, 11.1893, 2.3512
YIQ	66.3940, -35.3860, -52.5540

Conversions

Conversions Part 2

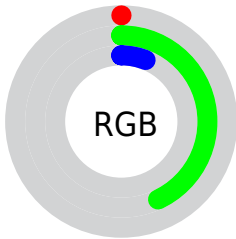
Format	Color
RYB	0, 96, 110
Decimal	28176
CIELab	39.90, -45.59, 40.68
CIELCh	40, 61.099, 138.254
Yxy	11.1893, 0.2951, 0.5825
Android (android.graphics.Color)	4278218256 (0xFF006E10)
YUV	66.3940, -24.8442, -58.2275
Hunter-Lab	33.4504, -28.2891, 19.2479

Details

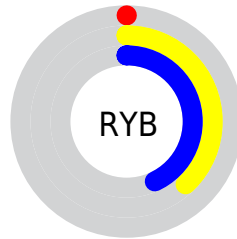
The Yxy color **11.1893, 0.2951, 0.5825** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.1235, 0.3594, 0.1754**, and the grayscale version is **5.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1076, 0.3090, 0.5097**, and **3.3375, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.1904, 0.2951, 0.5825**, and if you desaturate by 10%, it is **11.2960, 0.2947, 0.5647**.

Distribution



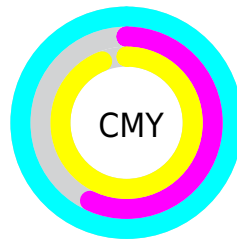
- Red (0%)
- Green (43%)
- Blue (6%)



- Red (0%)
- Yellow (38%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (57%)



- Cyan (100%)
- Magenta (57%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.1893, 0.2951, 0.5825 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 11.1893, 0.2951, 0.5825 by changing the saturation by 10% instead.

■ 11.1893, 0.2951,
0.5825

■ 11.1893, 0.2951,
0.5825

■ 198.9617, 0.3160,
0.4167

■ 6.1943, 0.2784,
0.6427

■ 28.0097, 0.3088,
0.5096

■ 2.9636, 0.2501,
0.7499

■ 40.6039, 0.3116,
0.4863

■ 1.1128, 0.0000,
1.0000

■ 56.4999, 0.3134,
0.4682


■ 0.0000, 0.0000,
0.0000


■ 76.0822, 0.3145,
0.4537


■ 99.7351, 0.3152,
0.4418


■ 127.8431, 0.3156,

0.4320

 160.7905, 0.3159,
0.4238


 11.1893, 0.2951,
0.5825


 11.1893, 0.2951,
0.5825

 11.1904, 0.2951,
0.5825

 11.2960, 0.2947,
0.5647

 11.4437, 0.2941,
0.5421

 11.6597, 0.2945,
0.5154

 11.9511, 0.2957,
0.4861

 12.3242, 0.2978,
0.4559

■ 12.7845, 0.3004,
0.4264

■ 13.3371, 0.3033,
0.3984

■ 13.9867, 0.3064,
0.3728

■ 14.7377, 0.3096,
0.3496

Harmonies

Analogous

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



11.1893, 0.4099, 0.5529



11.1893, 0.2951, 0.5825



11.1893, 0.1902, 0.4710

Triad

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



11.1893, 0.2951, 0.5825



11.1893, 0.1258, 0.1551



11.1893, 0.5378, 0.2962

Complementary

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



11.1893, 0.2951, 0.5825



4.1235, 0.3594, 0.1754

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.



11.1893, 0.4187, 0.2265



11.1893, 0.2951, 0.5825



11.1893, 0.1792, 0.1499

Square

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



11.1893, 0.2951, 0.5825



11.1893, 0.1086, 0.1990



11.1893, 0.2790, 0.1745



11.1893, 0.5669, 0.3735

Rectangle

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



11.1893, 0.2951, 0.5825



11.1893, 0.1420, 0.3554



11.1893, 0.2790, 0.1745



11.1893, 0.5058, 0.2719

Sweetspot

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



11.1904, 0.2951, 0.5825



23.3366, 0.3031, 0.4006



13.6040, 0.3971, 0.5229



5.3568, 0.3021, 0.4092



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.



11.1904, 0.2951, 0.5825



19.6382, 0.2960, 0.5857



11.5910, 0.2577, 0.4477



3.7704, 0.3099, 0.3475



13.4387, 0.2955, 0.5836



66.8631, 0.2972, 0.5899

Inverse Universe

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



4.1235, 0.3594, 0.1754



7.2275, 0.3605, 0.1760



3.4708, 0.5396, 0.2746



3.4455, 0.3156, 0.3112



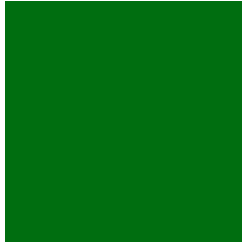
4.9499, 0.3598, 0.1756



24.5593, 0.3623, 0.1769

Previews

White Background



This preview shows how the Yxy color 11.1893, 0.2951, 0.5825 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 11.1893, 0.2951, 0.5825

Background



This preview shows how black text looks on a background with the Yxy color 11.1893, 0.2951, 0.5825.



This preview shows how white text looks on a background with the Yxy color 11.1893, 0.2951, 0.5825.

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

11.1893, 0.2951, 0.5825

Protanopia

11.0937, 0.4345, 0.4817

Deuteranopia

11.0801, 0.4505, 0.4436



Tritanopia

11.2313, 0.2382, 0.3058

Trichromacy



Original Color

11.1893, 0.2951, 0.5825

Protanomaly

10.3367, 0.3600, 0.5358

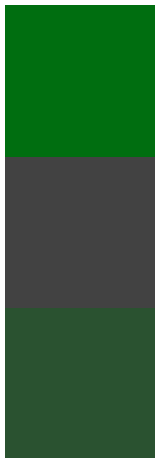
Deuteranomaly

10.1112, 0.3693, 0.5086

Tritanomaly

10.8862, 0.2607, 0.4135

Monochromacy



Original Color

11.1893, 0.2951, 0.5825

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

6.7402, 0.2983, 0.4462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1893, 0.2951, 0.5825 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(0, 110, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 16)  
}
```

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(0, 110, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 16) }
```

Border

The CSS property to change the border of an element to Yxy 11.1893, 0.2951, 0.5825 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(0, 110, 16) }
```

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

```
.border{ border-color:rgb(0, 110, 16) }
```

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

Here you see how a box with a 4 pixel rgb(0, 110, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 16);  
box-shadow:4px 4px 4px 4px rgb(0, 110, 16)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.1893, 0.2951, 0.5825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 16) }
```

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

```
.background{ background-color: rgb(0, 110,  
16) }
```

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