

Converting Colors

$Y_{xy}(6.7958, 0.2941, 0.5786)$

Have a look what the booklet for
Yxy(6.7958, 0.2941, 0.5786)
contains.

Yxy(6.8454, 0.2939, 0.5779)	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(6.8454, 0.2939, 0.5779)

Conversions

Conversions Part 1

Format	Color
Hex	00570D
RGB	0, 87, 13
RGB Percent	0%, 34%, 5%
CMY	0.9998, 0.6588, 0.9490
CMYK	1.00, 0.00, 0.85, 0.66
HSL	129°, 100%, 17%
HSV	129°, 100%, 34%
XYZ	3.4813, 6.8454, 1.5186
YIQ	52.5510, -28.0980, -41.4580

Conversions

Conversions Part 2

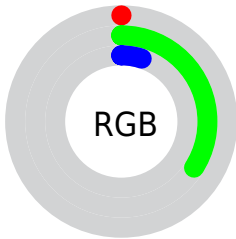
Format	Color
RYB	0, 76, 87
Decimal	22285
CIELab	31.45, -38.49, 33.67
CIELCh	31, 51.137, 138.816
Yxy	6.8454, 0.2939, 0.5779
Android (android.graphics.Color)	4278212365 (0xFF00570D)
YUV	52.5510, -19.4986, -46.0872
Hunter-Lab	26.1637, -22.0354, 14.8734

Details

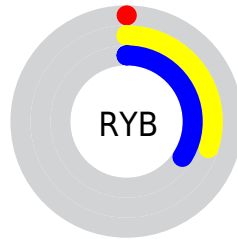
The Yxy color **6.8454, 0.2939, 0.5779** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.5225, 0.3591, 0.1753**, and the grayscale version is **3.5317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **19.6830, 0.3082, 0.4970**, and **1.5859, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **6.8452, 0.2939, 0.5780**, and if you desaturate by 10%, it is **6.9247, 0.2942, 0.5585**.

Distribution



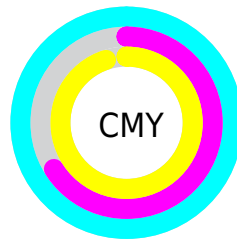
- Red (0%)
- Green (34%)
- Blue (5%)



- Red (0%)
- Yellow (30%)
- Blue (34%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (66%)





- Cyan (100%)
- Magenta (66%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 6.8454, 0.2939, 0.5779 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 6.8454, 0.2939, 0.5779 by changing the saturation by 10% instead.


 6.8454, 0.2939,
0.5779

 6.8454, 0.2939,
0.5779


 166.3728, 0.3153,
0.4058


 3.3656, 0.2820,
0.6717

 19.6615, 0.3087,
0.4972


 1.3255, 0.1669,
0.8331


 29.7666, 0.3114,
0.4731

 0.1608, 0.0000,
1.0000

 42.8490, 0.3130,
0.4549

 0.0000, 0.0000,
0.0000


 59.2929, 0.3140,
0.4407


 79.4829, 0.3146,
0.4293


 103.8033, 0.3149,


0.4200


 132.6384, 0.3151,
0.4123


 6.8454, 0.2939,
0.5779


 6.8454, 0.2939,
0.5779


 6.8452, 0.2939,
0.5780

 6.9247, 0.2942,
0.5585

 7.0226, 0.2939,
0.5354

 7.1606, 0.2945,
0.5087

 7.3427, 0.2959,
0.4800

 7.5724, 0.2980,
0.4509

■ 7.8528, 0.3006,
0.4225

■ 8.1867, 0.3035,
0.3957

■ 8.5766, 0.3066,
0.3710

■ 9.0249, 0.3097,
0.3487

Harmonies

Analogous

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



6.8454, 0.4108, 0.5562



6.8454, 0.2939, 0.5779



6.8454, 0.1903, 0.4657

Triad

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



6.8454, 0.2939, 0.5779



6.8454, 0.1281, 0.1565



6.8454, 0.5363, 0.2984

Complementary

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



6.8454, 0.2939, 0.5779



2.5225, 0.3591, 0.1753

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.



6.8454, 0.4200, 0.2288



6.8454, 0.2939, 0.5779



6.8454, 0.1820, 0.1518

Square

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



6.8454, 0.2939, 0.5779



6.8454, 0.1105, 0.1994



6.8454, 0.2818, 0.1768



6.8454, 0.5638, 0.3755

Rectangle

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



6.8454, 0.2939, 0.5779



6.8454, 0.1429, 0.3523



6.8454, 0.2818, 0.1768



6.8454, 0.5053, 0.2741

Sweetspot

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



6.8457, 0.2939, 0.5779



13.9082, 0.3032, 0.3983



8.3287, 0.3977, 0.5223



3.3573, 0.3024, 0.4048



47.7000, 0.3127, 0.3290



3.9682, 0.3127, 0.3290

Same Dimension

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



6.8457, 0.2939, 0.5779



11.6721, 0.2951, 0.5822



7.0936, 0.2567, 0.4440



2.3358, 0.3100, 0.3463



10.5735, 0.2949, 0.5816



59.3088, 0.2970, 0.5892

Inverse Universe

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



2.5225, 0.3591, 0.1753



4.2931, 0.3605, 0.1760



2.1313, 0.5322, 0.2707



2.1455, 0.3155, 0.3123



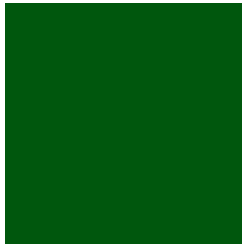
3.8900, 0.3603, 0.1758



21.7487, 0.3632, 0.1775

Previews

White Background



This preview shows how the Yxy color 6.8454, 0.2939, 0.5779 looks on a white background.

Color Contrast Check

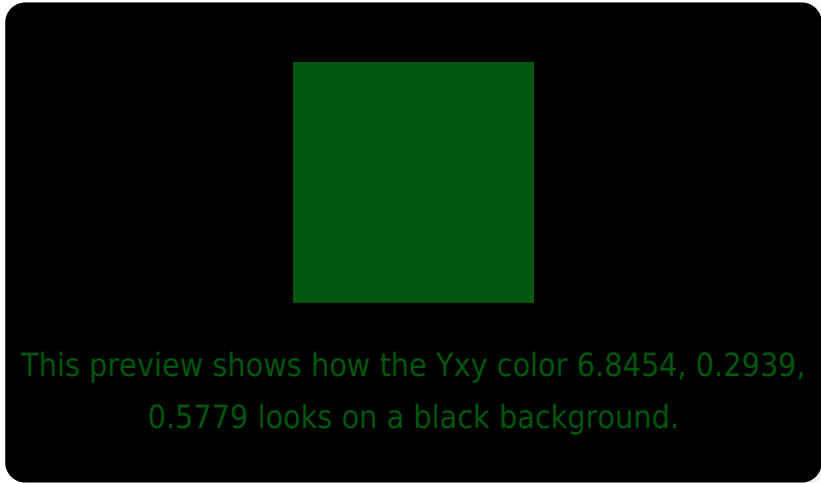
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

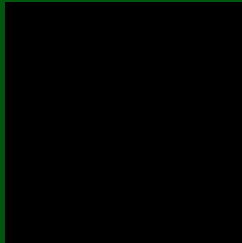
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 6.8454, 0.2939, 0.5779

Background



This preview shows how black text looks on a background with the Yxy color 6.8454, 0.2939, 0.5779.



This preview shows how white text looks on a background with the Yxy color 6.8454, 0.2939, 0.5779.

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

6.8454, 0.2939, 0.5779

Protanopia

6.9367, 0.4312, 0.4808

Deuteranopia

6.8916, 0.4451, 0.4438



Tritanopia

6.9645, 0.2394, 0.3070

Trichromacy



Original Color

6.8454, 0.2939, 0.5779

Protanomaly

6.3708, 0.3605, 0.5318

Deuteranomaly

6.2846, 0.3675, 0.5049

Tritanomaly

6.7056, 0.2603, 0.4070

Monochromacy



Original Color

6.8454, 0.2939, 0.5779

Achromatopsia

3.5601, 0.3127, 0.3290

Achromatomaly

4.2606, 0.3001, 0.4409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 6.8454, 0.2939, 0.5779 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, 87, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 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(0, 87, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 13) }
```

Border

The CSS property to change the border of an element to Yxy 6.8454, 0.2939, 0.5779 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, 87, 13) }
```

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

```
.border{ border-color:rgb(0, 87, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 87, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 13); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 87, 13); box-shadow:4px  
4px 4px 4px rgb(0, 87, 13) }
```


Background

The CSS property to change the background color of an element to Yxy 6.8454, 0.2939, 0.5779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 13) }
```

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

```
.background{ background-color: rgb(0, 87,  
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](#).

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