

Converting Colors

$Y_{xy}(11.8679, 0.4165, 0.5662)$

Have a look what the booklet for
Yxy(11.8679, 0.4165, 0.5662)
contains.

Yxy(11.9753, 0.3938, 0.5255)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.9753, 0.3938, 0.5255)

Conversions

Conversions Part 1

Format	Color
Hex	586800
RGB	88, 104, 0
RGB Percent	35%, 41%, 0%
CMY	0.6549, 0.5921, 0.9999
CMYK	0.15, 0.00, 1.00, 0.59
HSL	69°, 100%, 20%
HSV	69°, 100%, 41%
XYZ	8.9741, 11.9753, 1.8390
YIQ	87.3600, 23.8480, -35.7360

Conversions

Conversions Part 2

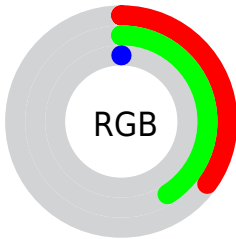
Format	Color
RYB	0, 104, 16
Decimal	5793792
CIELab	41.18, -18.77, 47.27
CIELCh	41, 50.858, 111.663
Yxy	11.9753, 0.3938, 0.5255
Android (android.graphics.Color)	4283983872 (0xFF586800)
YUV	87.3600, -43.0685, 0.5613
Hunter-Lab	34.6053, -14.2697, 21.0729

Details

The Yxy color **11.9753, 0.3938, 0.5255** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1106, 0.1597, 0.0654**, and the grayscale version is **9.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4212, 0.3821, 0.4784**, and **3.3383, 0.3693, 0.5450** is the 20% darker color. If you saturate the color by 10%, you get **11.9756, 0.3938, 0.5255**, and if you desaturate by 10%, it is **12.0777, 0.3924, 0.5159**.

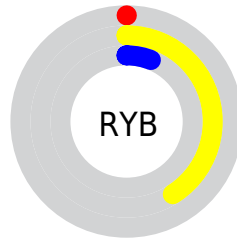
Distribution



Red (35%)

Green (41%)

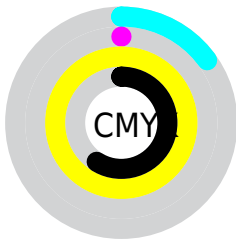
Blue (0%)



Red (0%)

Yellow (41%)

Blue (6%)

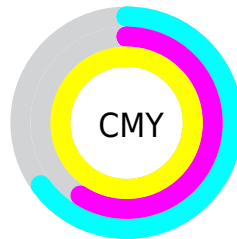


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (65%)


Magenta (59%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9753, 0.3938, 0.5255 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 11.9753, 0.3938, 0.5255 by changing the saturation by 10% instead.


 11.9753, 0.3938,
0.5255


 11.9753, 0.3938,
0.5255


 204.2417, 0.3538,
0.4073


 6.7269, 0.3997,
0.5624


 29.4501, 0.3820,
0.4784


 3.2919, 0.3954,
0.6046

 42.4453, 0.3763,
0.4617

 1.2859, 0.3582,
0.6418

 58.7915, 0.3712,
0.4482

 0.1303, 0.0000,
1.0000

 78.8731, 0.3668,
0.4371


 0.0000, 0.0000,
0.0000

 103.0745, 0.3629,
0.4277

 131.7802, 0.3595,

0.4199


 165.3744, 0.3564,
0.4131


 11.9753, 0.3938,
0.5255


 11.9753, 0.3938,
0.5255

 11.9756, 0.3938,
0.5255

 12.0777, 0.3924,
0.5159

 12.1891, 0.3897,
0.5044

 12.3182, 0.3848,
0.4890

 12.4669, 0.3778,
0.4701

 12.6366, 0.3689,
0.4485

■ 12.8287, 0.3587,
0.4251

■ 13.0445, 0.3476,
0.4007

■ 13.2852, 0.3360,
0.3761

■ 13.5518, 0.3242,
0.3521

Harmonies

Analogous

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



11.9753, 0.4794, 0.4617



11.9753, 0.3938, 0.5255



11.9753, 0.2942, 0.5258

Triad

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



11.9753, 0.3938, 0.5255



11.9753, 0.1356, 0.2151



11.9753, 0.4137, 0.2493

Complementary

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



11.9753, 0.3938, 0.5255



1.1106, 0.1597, 0.0654

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.



11.9753, 0.2984, 0.2002



11.9753, 0.3938, 0.5255



11.9753, 0.1544, 0.1779

Square

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



11.9753, 0.3938, 0.5255



11.9753, 0.1503, 0.2995



11.9753, 0.2074, 0.1751



11.9753, 0.5049, 0.3138

Rectangle

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



11.9753, 0.3938, 0.5255



11.9753, 0.2316, 0.4686



11.9753, 0.2074, 0.1751



11.9753, 0.3750, 0.2307

Sweetspot

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



11.9758, 0.3938, 0.5255



22.8485, 0.3486, 0.4028



3.3029, 0.6186, 0.3469



5.5451, 0.3521, 0.4104



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.9758, 0.3938, 0.5255



20.9695, 0.3931, 0.5261



10.2843, 0.3223, 0.5822



3.2477, 0.3230, 0.3495



14.7500, 0.3935, 0.5258



76.6229, 0.3919, 0.5270

Inverse Universe

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



1.1106, 0.1597, 0.0654



1.9110, 0.1579, 0.0643



2.2151, 0.2387, 0.1089



2.7821, 0.3020, 0.3079



1.3576, 0.1589, 0.0649



6.8250, 0.1555, 0.0630

Previews

White Background



This preview shows how the Yxy color 11.9753, 0.3938, 0.5255 looks on a white background.

Color Contrast Check

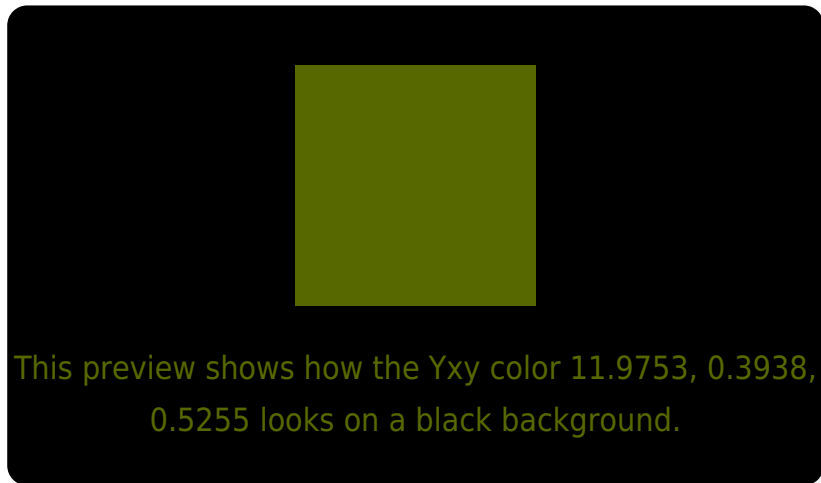
Large Text (above 18pt) WCAG AA ✓ Pass

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

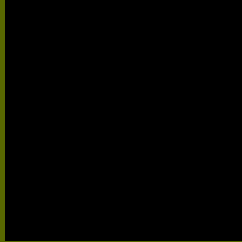
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9753, 0.3938, 0.5255

Background



This preview shows how black text looks on a background with the Yxy color 11.9753, 0.3938, 0.5255.



This preview shows how white text looks on a background with the Yxy color 11.9753, 0.3938, 0.5255.

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

11.9753, 0.3938, 0.5255

Protanopia

11.8644, 0.4406, 0.4883

Deuteranopia

11.8355, 0.4597, 0.4548



Tritanopia

12.0357, 0.3017, 0.3131

Trichromacy



Original Color

11.9753, 0.3938, 0.5255

Protanomaly

11.9391, 0.4226, 0.5027

Deuteranomaly

11.7049, 0.4376, 0.4799

Tritanomaly

11.8348, 0.3491, 0.4110

Monochromacy



Original Color

11.9753, 0.3938, 0.5255

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.1308, 0.3588, 0.4259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9753, 0.3938, 0.5255 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(88, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(88, 104, 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(88, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 104, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.9753, 0.3938, 0.5255 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(88, 104, 0) }
```

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

```
.border{ border-color:rgb(88, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(88, 104, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9753, 0.3938, 0.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 104, 0) }
```

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

```
.background{ background-color: rgb(88, 104,  
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