

Converting Colors

$Y_{xy}(11.7134, 0.3542, 0.5570)$

Have a look what the booklet for
Yxy(11.7134, 0.3542, 0.5570)
contains.

Yxy(11.6054, 0.3539, 0.5572)	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(11.6054, 0.3539, 0.5572)

Conversions

Conversions Part 1

Format	Color
Hex	406B00
RGB	64, 107, 0
RGB Percent	25%, 42%, 0%
CMY	0.7491, 0.5804, 1.0000
CMYK	0.40, 0.00, 1.00, 0.58
HSL	84°, 100%, 21%
HSV	84°, 100%, 42%
XYZ	7.3711, 11.6054, 1.8516
YIQ	81.9450, 8.7190, -42.3930

Conversions

Conversions Part 2

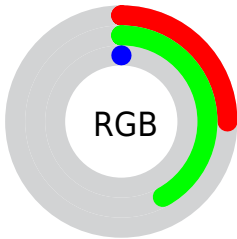
Format	Color
RYB	0, 107, 43
Decimal	4221696
CIELab	40.58, -30.66, 46.12
CIELCh	41, 55.387, 123.617
Yxy	11.6054, 0.3539, 0.5572
Android (android.graphics.Color)	4282411776 (0xFF406B00)
YUV	81.9450, -40.3989, -15.7378
Hunter-Lab	34.0667, -20.9945, 20.6241

Details

The Yxy color **11.6054, 0.3539, 0.5572** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.5762, 0.1897, 0.0819**, and the grayscale version is **8.5069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8250, 0.3525, 0.4983**, and **3.1796, 0.3099, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **11.6058, 0.3539, 0.5572**, and if you desaturate by 10%, it is **11.7792, 0.3562, 0.5435**.

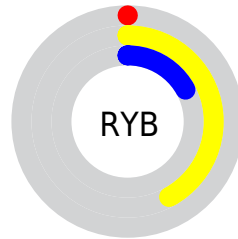
Distribution



Red (25%)

Green (42%)

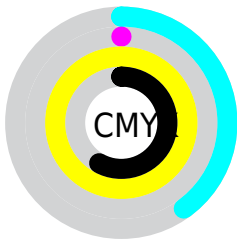
Blue (0%)



Red (0%)

Yellow (42%)

Blue (17%)

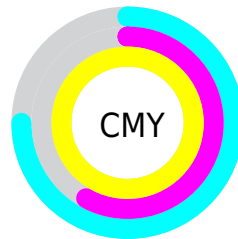


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (75%)


Magenta (58%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6054, 0.3539, 0.5572 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 11.6054, 0.3539, 0.5572 by changing the saturation by 10% instead.


 11.6054, 0.3539,
0.5572


 11.6054, 0.3539,
0.5572


 201.7751, 0.3392,
0.4143


 6.4756, 0.3505,
0.6063


 28.7744, 0.3531,
0.4977


 3.1364, 0.3319,
0.6681

 41.5823, 0.3509,
0.4775

 1.2033, 0.2327,
0.7673

 57.7184, 0.3486,
0.4615

 0.0644, 0.0000,
1.0000


 77.5670, 0.3464,
0.4484

 0.0000, 0.0000,
0.0000

 101.5126, 0.3444,
0.4376


 129.9396, 0.3425,

0.4286


 163.2323, 0.3408,
0.4209


 11.6054, 0.3539,
0.5572

 11.6054, 0.3539,
0.5572

 11.6058, 0.3539,
0.5572

 11.7792, 0.3562,
0.5435

 11.9726, 0.3574,
0.5274

 12.1946, 0.3565,
0.5072

 12.4474, 0.3536,
0.4836

 12.7329, 0.3489,
0.4578

■ 13.0527, 0.3429,
0.4309

■ 13.4084, 0.3359,
0.4039

■ 13.8014, 0.3283,
0.3775

■ 14.2331, 0.3205,
0.3524

Harmonies

Analogous

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



11.6054, 0.4554, 0.5003



11.6054, 0.3539, 0.5572



11.6054, 0.2482, 0.5167

Triad

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



11.6054, 0.3539, 0.5572



11.6054, 0.1272, 0.1842



11.6054, 0.4703, 0.2681

Complementary

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



11.6054, 0.3539, 0.5572



1.5762, 0.1897, 0.0819

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.



11.6054, 0.3455, 0.2086



11.6054, 0.3539, 0.5572



11.6054, 0.1605, 0.1619

Square

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



11.6054, 0.3539, 0.5572



11.6054, 0.1274, 0.2513



11.6054, 0.2324, 0.1714



11.6054, 0.5419, 0.3391

Rectangle

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



11.6054, 0.3539, 0.5572



11.6054, 0.1888, 0.4280



11.6054, 0.2324, 0.1714



11.6054, 0.4312, 0.2464

Sweetspot

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



11.6059, 0.3539, 0.5572



23.9498, 0.3365, 0.4061



4.8399, 0.5613, 0.3925



5.7465, 0.3388, 0.4147



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.



11.6059, 0.3539, 0.5572



20.7073, 0.3522, 0.5585



10.5858, 0.3040, 0.5968



3.5258, 0.3197, 0.3499



14.0995, 0.3533, 0.5577



71.3278, 0.3498, 0.5605

Inverse Universe

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



1.5762, 0.1897, 0.0819



2.7531, 0.1870, 0.0804



3.5652, 0.2971, 0.1410



3.0790, 0.3053, 0.3079



1.8998, 0.1887, 0.0813



9.2016, 0.1831, 0.0782

Previews

White Background



This preview shows how the Yxy color 11.6054, 0.3539, 0.5572 looks on a white background.

Color Contrast Check

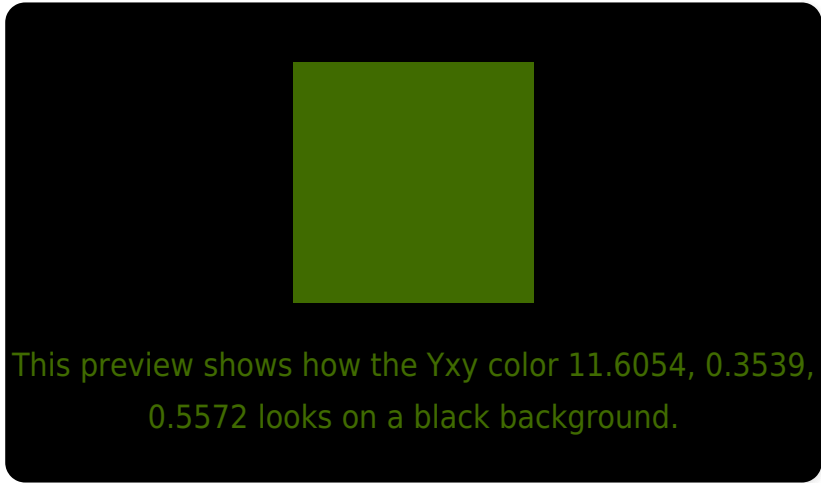
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6054, 0.3539, 0.5572

Background



This preview shows how black text looks on a background with the Yxy color 11.6054, 0.3539, 0.5572.



This preview shows how white text looks on a background with the Yxy color 11.6054, 0.3539, 0.5572.

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

11.6054, 0.3539, 0.5572

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5294, 0.4562, 0.4526



Tritanopia

11.5217, 0.2713, 0.3096

Trichromacy



Original Color

11.6054, 0.3539, 0.5572

Protanomaly

11.3897, 0.4062, 0.5157

Deuteranomaly

11.2878, 0.4185, 0.4920

Tritanomaly

11.2978, 0.3140, 0.4189

Monochromacy



Original Color

11.6054, 0.3539, 0.5572

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.2260, 0.3436, 0.4365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6054, 0.3539, 0.5572 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(64, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6054, 0.3539, 0.5572 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(64, 107, 0) }
```

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

```
.border{ border-color:rgb(64, 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(64, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 107, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6054, 0.3539, 0.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 107, 0) }
```

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

```
.background{ background-color: rgb(64, 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