

Converting Colors

$Y_{xy}(11.5888, 0.3354, 0.5719)$

Have a look what the booklet for
Yxy(11.5888, 0.3354, 0.5719)
contains.

Yxy(11.6411, 0.3356, 0.5717)	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(11.6411, 0.3356, 0.5717)

Conversions

Conversions Part 1

Format	Color
Hex	336D00
RGB	51, 109, 0
RGB Percent	20%, 43%, 0%
CMY	0.8000, 0.5725, 0.9999
CMYK	0.53, 0.00, 1.00, 0.57
HSL	92°, 100%, 21%
HSV	92°, 100%, 43%
XYZ	6.8336, 11.6411, 1.8876
YIQ	79.2320, 0.4210, -46.1950

Conversions

Conversions Part 2

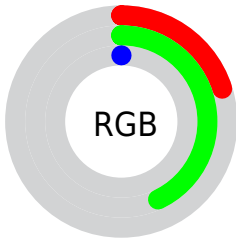
Format	Color
RYB	0, 109, 58
Decimal	3370240
CIELab	40.64, -36.23, 45.89
CIELCh	41, 58.469, 128.288
Yxy	11.6411, 0.3356, 0.5717
Android (android.graphics.Color)	4281560320 (0xFF336D00)
YUV	79.2320, -39.0614, -24.7595
Hunter-Lab	34.1191, -23.9573, 20.6032

Details

The Yxy color **11.6411, 0.3356, 0.5717** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.0059, 0.2133, 0.0949**, and the grayscale version is **7.9428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8088, 0.3406, 0.5068**, and **3.2317, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.6411, 0.3356, 0.5717**, and if you desaturate by 10%, it is **11.8258, 0.3391, 0.5566**.

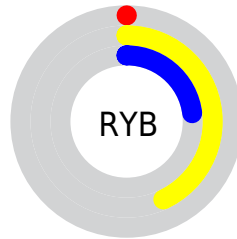
Distribution



Red (20%)

Green (43%)

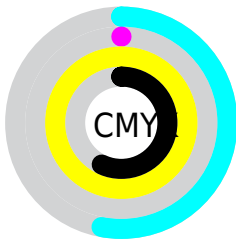
Blue (0%)



Red (0%)

Yellow (43%)

Blue (23%)

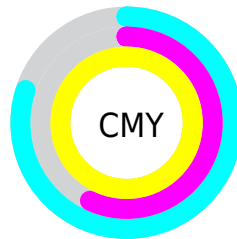


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (80%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6411, 0.3356, 0.5717 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 11.6411, 0.3356, 0.5717 by changing the saturation by 10% instead.


 11.6411, 0.3356,
0.5717

 11.6411, 0.3356,
0.5717


 202.0146, 0.3327,
0.4178


 6.4998, 0.3276,
0.6257


 28.8397, 0.3399,
0.5067


 3.1513, 0.3031,
0.6969

 41.6658, 0.3394,
0.4850

 1.2112, 0.1626,
0.8374

 57.8224, 0.3384,
0.4678

 0.0708, 0.0000,
1.0000

 77.6936, 0.3372,
0.4539


 0.0000, 0.0000,
0.0000


 101.6641, 0.3360,
0.4425


 130.1182, 0.3349,


0.4329


 163.4402, 0.3337,
0.4248


 11.6411, 0.3356,
0.5717

 11.8258, 0.3391,
0.5566

 12.0388, 0.3417,
0.5387

 12.2897, 0.3425,
0.5163

 12.5810, 0.3414,
0.4905

 12.9151, 0.3387,
0.4625

■ 13.2941, 0.3347,
0.4338

■ 13.7199, 0.3298,
0.4054

■ 14.1942, 0.3243,
0.3782

■ 14.7189, 0.3186,
0.3526

Harmonies

Analogous

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



11.6411, 0.4435, 0.5185



11.6411, 0.3356, 0.5717



11.6411, 0.2279, 0.5101

Triad

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



11.6411, 0.3356, 0.5717



11.6411, 0.1236, 0.1717



11.6411, 0.4957, 0.2755

Complementary

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



11.6411, 0.3356, 0.5717



2.0059, 0.2133, 0.0949

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.



11.6411, 0.3678, 0.2118



11.6411, 0.3356, 0.5717



11.6411, 0.1632, 0.1550

Square

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



11.6411, 0.3356, 0.5717



11.6411, 0.1179, 0.2318



11.6411, 0.2441, 0.1696



11.6411, 0.5563, 0.3491

Rectangle

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



11.6411, 0.3356, 0.5717



11.6411, 0.1707, 0.4082



11.6411, 0.2441, 0.1696



11.6411, 0.4572, 0.2527

Sweetspot

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



11.6416, 0.3356, 0.5717



24.4968, 0.3303, 0.4079



6.1124, 0.5291, 0.4180



5.6434, 0.3318, 0.4167



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.



11.6416, 0.3356, 0.5717



20.7702, 0.3337, 0.5732



10.9423, 0.2995, 0.5980



3.5077, 0.3180, 0.3501



13.6006, 0.3350, 0.5722



68.7928, 0.3311, 0.5753

Inverse Universe

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



2.0059, 0.2133, 0.0949



3.5147, 0.2107, 0.0935



4.3176, 0.3249, 0.1564



3.0970, 0.3071, 0.3080



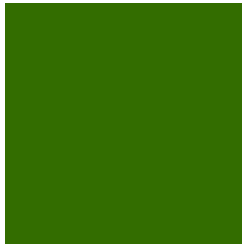
2.3302, 0.2126, 0.0945



11.3524, 0.2071, 0.0915

Previews

White Background



This preview shows how the Yxy color 11.6411, 0.3356, 0.5717 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



This preview shows how the Yxy color 11.6411, 0.3356, 0.5717 looks on a 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 11.6411, 0.3356, 0.5717

Background



This preview shows how black text looks on a background with the Yxy color 11.6411, 0.3356, 0.5717.



This preview shows how white text looks on a background with the Yxy color 11.6411, 0.3356, 0.5717.

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

11.6411, 0.3356, 0.5717

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5332, 0.4555, 0.4516



Tritanopia

11.5697, 0.2582, 0.3092

Trichromacy



Original Color

11.6411, 0.3356, 0.5717

Protanomaly

11.3336, 0.3964, 0.5234

Deuteranomaly

11.2000, 0.4081, 0.4987

Tritanomaly

11.3224, 0.2981, 0.4246

Monochromacy



Original Color

11.6411, 0.3356, 0.5717

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.8078, 0.3367, 0.4435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6411, 0.3356, 0.5717 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(51, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 109, 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(51, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6411, 0.3356, 0.5717 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(51, 109, 0) }
```

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

```
.border{ border-color:rgb(51, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 109, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6411, 0.3356, 0.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 109, 0) }
```

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

```
.background{ background-color: rgb(51, 109,  
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