

Converting Colors

$Y_{xy}(11.6478, 0.3366, 0.6116)$

Have a look what the booklet for
Yxy(11.6478, 0.3366, 0.6116)
contains.

Yxy(11.6655, 0.3263, 0.5791)	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(11.6655, 0.3263, 0.5791)

Conversions

Conversions Part 1

Format	Color
Hex	2B6E00
RGB	43, 110, 0
RGB Percent	17%, 43%, 0%
CMY	0.8313, 0.5686, 0.9999
CMYK	0.61, 0.00, 1.00, 0.57
HSL	97°, 100%, 22%
HSV	97°, 100%, 43%
XYZ	6.5730, 11.6655, 1.9056
YIQ	77.4270, -4.6220, -48.4140

Conversions

Conversions Part 2

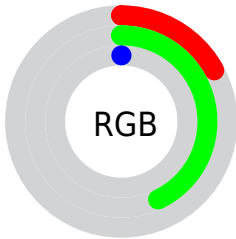
Format	Color
RYB	0, 110, 67
Decimal	2846208
CIELab	40.68, -39.08, 45.80
CIELCh	41, 60.202, 130.472
Yxy	11.6655, 0.3263, 0.5791
Android (android.graphics.Color)	4281036288 (0xFF2B6E00)
YUV	77.4270, -38.1715, -30.1925
Hunter-Lab	34.1548, -25.4188, 20.6003

Details

The Yxy color **11.6655, 0.3263, 0.5791** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.3194, 0.2292, 0.1036**, and the grayscale version is **7.5807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7531, 0.3336, 0.5116**, and **3.3375, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.6657, 0.3263, 0.5791**, and if you desaturate by 10%, it is **11.8471, 0.3300, 0.5635**.

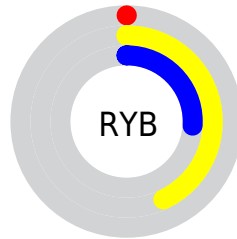
Distribution



Red (17%)

Green (43%)

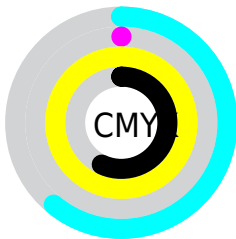
Blue (0%)



Red (0%)

Yellow (43%)

Blue (26%)

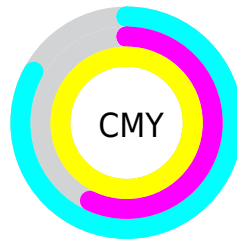


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (83%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6655, 0.3263, 0.5791 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 11.6655, 0.3263, 0.5791 by changing the saturation by 10% instead.


 11.6655, 0.3263,
0.5791


 11.6655, 0.3263,
0.5791


 202.1781, 0.3294,
0.4197


 6.5163, 0.3160,
0.6355


 28.8844, 0.3332,
0.5113


 3.1615, 0.2885,
0.7115

 41.7229, 0.3336,
0.4889


 1.2166, 0.1225,
0.8775

 57.8934, 0.3332,
0.4711

 0.0752, 0.0000,
1.0000


 77.7801, 0.3326,
0.4568


 0.0000, 0.0000,
0.0000


 101.7676, 0.3318,
0.4450

 130.2401, 0.3310,

0.4351


 163.5821, 0.3302,
0.4268


 11.6655, 0.3263,
0.5791

 11.6655, 0.3263,
0.5791

 11.6657, 0.3263,
0.5791

 11.8471, 0.3300,
0.5635

 12.0628, 0.3332,
0.5449

 12.3225, 0.3346,
0.5214

 12.6292, 0.3345,
0.4944

 12.9857, 0.3328,
0.4653

■ 13.3943, 0.3300,
0.4356

■ 13.8574, 0.3263,
0.4064

■ 14.3770, 0.3220,
0.3786

■ 14.9552, 0.3174,
0.3527

Harmonies

Analogous

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



11.6655, 0.4374, 0.5280



11.6655, 0.3263, 0.5791



11.6655, 0.2178, 0.5062

Triad

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



11.6655, 0.3263, 0.5791



11.6655, 0.1217, 0.1657



11.6655, 0.5083, 0.2790

Complementary

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



11.6655, 0.3263, 0.5791



2.3194, 0.2292, 0.1036

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.



11.6655, 0.3794, 0.2133



11.6655, 0.3263, 0.5791



11.6655, 0.1644, 0.1517

Square

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



11.6655, 0.3263, 0.5791



11.6655, 0.1134, 0.2224



11.6655, 0.2500, 0.1686



11.6655, 0.5630, 0.3538

Rectangle

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



11.6655, 0.3263, 0.5791



11.6655, 0.1619, 0.3980



11.6655, 0.2500, 0.1686



11.6655, 0.4704, 0.2556

Sweetspot

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



11.6660, 0.3263, 0.5791



24.2662, 0.3266, 0.4088



7.2124, 0.5065, 0.4360



5.5859, 0.3278, 0.4178



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.



11.6660, 0.3263, 0.5791



20.4210, 0.3245, 0.5805



11.1762, 0.2968, 0.5885



3.8209, 0.3170, 0.3503



13.9980, 0.3257, 0.5796



69.2618, 0.3219, 0.5826

Inverse Universe

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



2.3194, 0.2292, 0.1036



4.0015, 0.2269, 0.1024



4.2163, 0.3465, 0.1682



3.3915, 0.3081, 0.3079



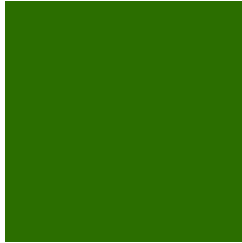
2.7684, 0.2284, 0.1032



13.2811, 0.2236, 0.1005

Previews

White Background



This preview shows how the Yxy color 11.6655, 0.3263, 0.5791 looks on a white background.

Color Contrast Check

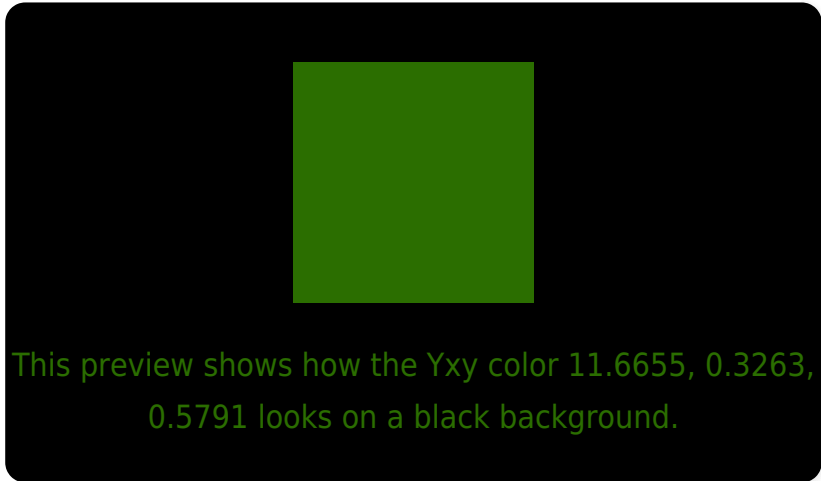
Large Text (above 18pt) WCAG AA ✓ Pass

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

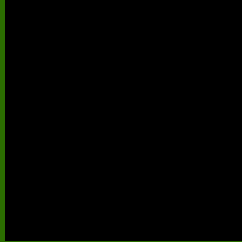
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6655, 0.3263, 0.5791

Background



This preview shows how black text looks on a background with the Yxy color 11.6655, 0.3263, 0.5791.



This preview shows how white text looks on a background with the Yxy color 11.6655, 0.3263, 0.5791.

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

11.6655, 0.3263, 0.5791

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5371, 0.4547, 0.4506



Tritanopia

11.6206, 0.2524, 0.3090

Trichromacy



Original Color

11.6655, 0.3263, 0.5791

Protanomaly

11.1922, 0.3915, 0.5273

Deuteranomaly

11.0452, 0.4025, 0.5014

Tritanomaly

11.3296, 0.2888, 0.4262

Monochromacy



Original Color

11.6655, 0.3263, 0.5791

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.4903, 0.3318, 0.4466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6655, 0.3263, 0.5791 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(43, 110, 0)` looks like.

```
.text, #text, p{  
  color:rgb(43, 110, 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(43, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6655, 0.3263, 0.5791 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(43, 110, 0) }
```

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

```
.border{ border-color:rgb(43, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6655, 0.3263, 0.5791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 110, 0) }
```

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

```
.background{ background-color: rgb(43, 110,  
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