

Converting Colors

$Y_{xy}(11.8871, 0.3598, 0.4992)$

Have a look what the booklet for
Yxy(11.8871, 0.3598, 0.4992)
contains.

Yxy(11.8809, 0.3599, 0.4992)	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(11.8809, 0.3599, 0.4992)

Conversions

Conversions Part 1

Format	Color
Hex	4F6922
RGB	79, 105, 34
RGB Percent	31%, 41%, 13%
CMY	0.6901, 0.5882, 0.8667
CMYK	0.25, 0.00, 0.68, 0.59
HSL	82°, 51%, 27%
HSV	82°, 68%, 41%
XYZ	8.5656, 11.8809, 3.3534
YIQ	89.1320, 7.2950, -27.5930

Conversions

Conversions Part 2

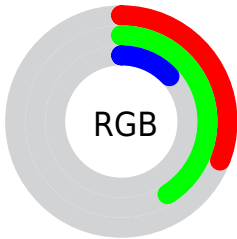
Format	Color
R_{YB}	34, 105, 60
Decimal	5204258
CIE _{Lab}	41.03, -21.63, 35.63
CIE _{LCh}	41, 41.683, 121.265
Yxy	11.8809, 0.3599, 0.4992
Android (android.graphics.Color)	4283394338 (0xFF4F6922)
YUV	89.1320, -27.1801, -8.8858
Hunter-Lab	34.4687, -15.9624, 18.3598

Details

The Yxy color **11.8809, 0.3599, 0.4992** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **3.1222, 0.2285, 0.1432**, and the grayscale version is **10.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1320, 0.3525, 0.4540**, and **3.3332, 0.3530, 0.5579** is the 20% darker color. If you saturate the color by 10%, you get **11.6698, 0.3619, 0.5197**, and if you desaturate by 10%, it is **12.1211, 0.3559, 0.4757**.

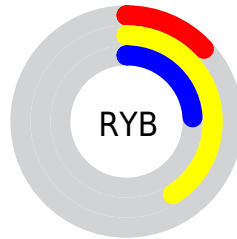
Distribution



Red (31%)

Green (41%)

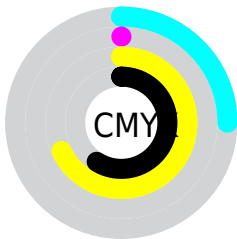
Blue (13%)



Red (13%)

Yellow (41%)

Blue (24%)

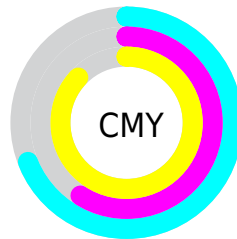


Cyan (25%)

Magenta (0%)

Yellow (68%)

Black (59%)



Cyan (69%)


Magenta (59%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8809, 0.3599, 0.4992 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 11.8809, 0.3599, 0.4992 by changing the saturation by 10% instead.


 11.8809, 0.3599,
0.4992


 11.8809, 0.3599,
0.4992


 203.6152, 0.3362,
0.3925


 6.6626, 0.3624,
0.5350


 29.2780, 0.3525,
0.4539


 3.2520, 0.3773,
0.6145

 42.2256, 0.3491,
0.4390

 1.2647, 0.3332,
0.6668

 58.5185, 0.3462,
0.4271

 0.1136, 0.0000,
1.0000

 78.5410, 0.3436,
0.4175


 0.0000, 0.0000,
0.0000


 102.6775, 0.3414,
0.4096


 131.3125, 0.3394,


0.4030


 164.8302, 0.3377,
0.3974


 11.8809, 0.3599,
0.4992


 11.8809, 0.3599,
0.4992


 11.6698, 0.3619,
0.5197


 12.1211, 0.3559,
0.4757

 11.4843, 0.3617,
0.5362


 12.3905, 0.3503,
0.4501

 11.3193, 0.3599,
0.5495

 12.6912, 0.3434,
0.4236

 11.2818, 0.3595,
0.5527

 13.0245, 0.3357,
0.3971

 13.3918, 0.3275,
0.3713

■ 13.7943, 0.3191,
0.3467

■ 14.2331, 0.3108,
0.3237

■ 14.7094, 0.3027,
0.3025

■ 15.2241, 0.2950,
0.2831

Harmonies

Analogous

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



11.8809, 0.4375, 0.4655



11.8809, 0.3599, 0.4992



11.8809, 0.2745, 0.4682

Triad

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



11.8809, 0.3599, 0.4992



11.8809, 0.1620, 0.2199



11.8809, 0.4248, 0.2794

Complementary

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



11.8809, 0.3599, 0.4992



3.1222, 0.2285, 0.1432

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.



11.8809, 0.3319, 0.2304



11.8809, 0.3599, 0.4992



11.8809, 0.1883, 0.1959

Square

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



11.8809, 0.3599, 0.4992



11.8809, 0.1664, 0.2800



11.8809, 0.2459, 0.2009



11.8809, 0.4847, 0.3398

Rectangle

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



11.8809, 0.3599, 0.4992



11.8809, 0.2247, 0.4098



11.8809, 0.2459, 0.2009



11.8809, 0.3955, 0.2614

Sweetspot

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



11.8814, 0.3599, 0.4992



23.7804, 0.3299, 0.3787



6.2297, 0.4732, 0.3843



5.5390, 0.3316, 0.3839



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.



11.8814, 0.3599, 0.4992



20.7020, 0.3620, 0.5296



10.7680, 0.3136, 0.5272



3.5309, 0.3202, 0.3499



14.2639, 0.3588, 0.5533



72.1765, 0.3555, 0.5559

Inverse Universe

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



3.1222, 0.2285, 0.1432



3.7645, 0.2055, 0.1067



4.5608, 0.2970, 0.1743



3.0741, 0.3048, 0.3079



1.8031, 0.1830, 0.0782



8.7319, 0.1775, 0.0752

Previews

White Background



This preview shows how the Yxy color 11.8809, 0.3599, 0.4992 looks on a white background.

Color Contrast Check

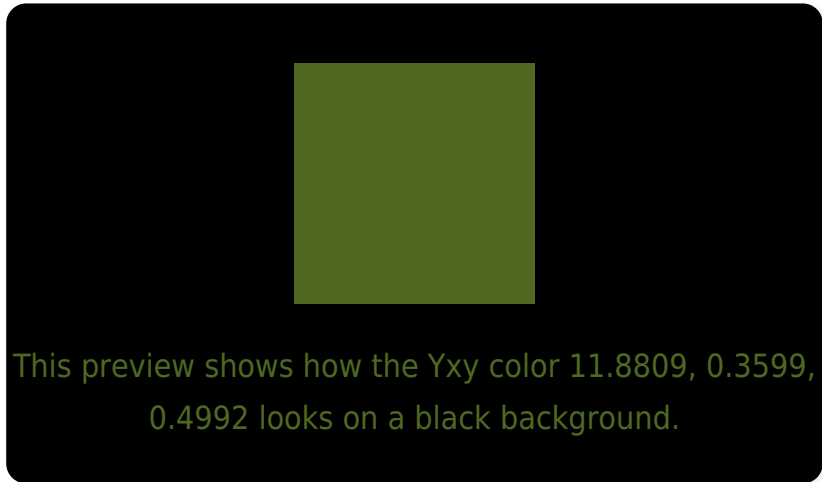
Large Text (above 18pt) WCAG AA ✓ Pass

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

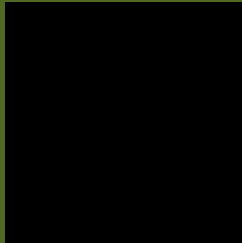
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8809, 0.3599, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 11.8809, 0.3599, 0.4992.



This preview shows how white text looks on a background with the Yxy color 11.8809, 0.3599, 0.4992.

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

11.8809, 0.3599, 0.4992

Protanopia

11.8418, 0.4179, 0.4617

Deuteranopia

11.7873, 0.4385, 0.4335



Tritanopia

11.8507, 0.2879, 0.3103

Trichromacy



Original Color

11.8809, 0.3599, 0.4992

Protanomaly

11.7655, 0.3948, 0.4759

Deuteranomaly

11.6862, 0.4080, 0.4569

Tritanomaly

11.8178, 0.3175, 0.3810

Monochromacy



Original Color

11.8809, 0.3599, 0.4992

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.5454, 0.3344, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8809, 0.3599, 0.4992 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(79, 105, 34)` looks like.

```
.text, #text, p{  
    color:rgb(79, 105, 34)  
}
```

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(79, 105, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 105, 34) }
```

Border

The CSS property to change the border of an element to Yxy 11.8809, 0.3599, 0.4992 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(79, 105, 34) }
```

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

```
.border{ border-color:rgb(79, 105, 34) }
```

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

Here you see how a box with a 4 pixel rgb(79, 105, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 105, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 105, 34);  
box-shadow:4px 4px 4px 4px rgb(79, 105,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8809, 0.3599, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 105, 34) }
```

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

```
.background{ background-color: rgb(79, 105,  
34) }
```

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