

Converting Colors

$Y_{xy}(11.9000, 0.3465, 0.4679)$

Have a look what the booklet for
Yxy(11.9000, 0.3465, 0.4679)
contains.

Yxy(11.7846, 0.3459, 0.4670)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.7846, 0.3459, 0.4670)

Conversions

Conversions Part 1

Format	Color
Hex	4F6831
RGB	79, 104, 49
RGB Percent	31%, 41%, 19%
CMY	0.6902, 0.5921, 0.8078
CMYK	0.24, 0.00, 0.53, 0.59
HSL	87°, 36%, 30%
HSV	87°, 53%, 41%
XYZ	8.7287, 11.7846, 4.7214
YIQ	90.2550, 2.7550, -22.4050

Conversions

Conversions Part 2

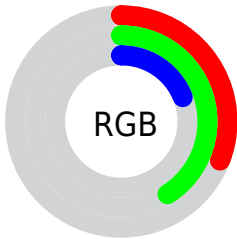
Format	Color
R_{YB}	49, 104, 74
Decimal	5204017
CIE _{Lab}	40.87, -19.55, 27.79
CIE _{LCh}	41, 33.980, 125.130
Y _{xy}	11.7846, 0.3459, 0.4670
Android (android.graphics.Color)	4283394097 (0xFF4F6831)
YUV	90.2550, -20.3387, -9.8706
Hunter-Lab	34.3287, -14.6885, 15.8756

Details

The Yxy color **11.7846, 0.3459, 0.4670** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4.6540, 0.2597, 0.1882**, and the grayscale version is **10.3308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0516, 0.3403, 0.4283**, and **3.2377, 0.3520, 0.5506** is the 20% darker color. If you saturate the color by 10%, you get **11.5115, 0.3493, 0.4931**, and if you desaturate by 10%, it is **12.0934, 0.3411, 0.4396**.

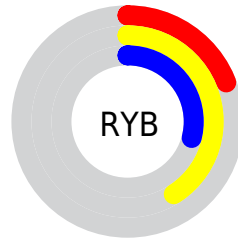
Distribution



Red (31%)

Green (41%)

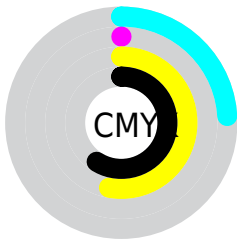
Blue (19%)



Red (19%)

Yellow (41%)

Blue (29%)

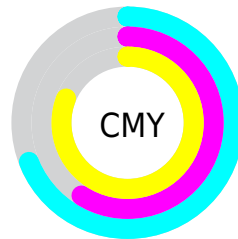


Cyan (24%)

Magenta (0%)

Yellow (53%)

Black (59%)



Cyan (69%)


Magenta (59%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7846, 0.3459, 0.4670 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 11.7846, 0.3459, 0.4670 by changing the saturation by 10% instead.


 11.7846, 0.3459,
0.4670


 11.7846, 0.3459,
0.4670


 202.9740, 0.3285,
0.3797


 6.5972, 0.3488,
0.4980


 29.1022, 0.3400,
0.4293


 3.2115, 0.3523,
0.5496

 42.0011, 0.3375,
0.4171

 1.2431, 0.3491,
0.6509

 58.2394, 0.3354,
0.4075

 0.0965, 0.0000,
1.0000

 78.2014, 0.3336,
0.3998

 0.0000, 0.0000,
0.0000

 102.2714, 0.3321,
0.3934

 130.8339, 0.3307,

0.3881

164.2733, 0.3296,
0.3836

■ 11.7846, 0.3459,
0.4670

■ 11.7846, 0.3459,
0.4670

■ 11.5115, 0.3493,
0.4931

■ 12.0934, 0.3411,
0.4396

■ 11.2709, 0.3510,
0.5168

■ 12.4381, 0.3352,
0.4120

■ 11.0614, 0.3506,
0.5368

■ 12.8204, 0.3286,
0.3851

■ 10.8804, 0.3483,
0.5526

■ 13.2419, 0.3217,
0.3595

■ 10.7624, 0.3464,
0.5631

■ 13.7038, 0.3147,
0.3355

■ 14.2073, 0.3078,
0.3135

■ 14.7536, 0.3011,
0.2933

■ 15.3438, 0.2948,
0.2750

■ 15.9789, 0.2887,
0.2586

Harmonies

Analogous

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



11.7846, 0.4122, 0.4502



11.7846, 0.3459, 0.4670



11.7846, 0.2745, 0.4322

Triad

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



11.7846, 0.3459, 0.4670



11.7846, 0.1860, 0.2344



11.7846, 0.4131, 0.2948

Complementary

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



11.7846, 0.3459, 0.4670



4.6540, 0.2597, 0.1882

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.



11.7846, 0.3395, 0.2504



11.7846, 0.3459, 0.4670



11.7846, 0.2127, 0.2157

Square

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



11.7846, 0.3459, 0.4670



11.7846, 0.1871, 0.2824



11.7846, 0.2660, 0.2223



11.7846, 0.4570, 0.3484

Rectangle

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



11.7846, 0.3459, 0.4670



11.7846, 0.2337, 0.3840



11.7846, 0.2660, 0.2223



11.7846, 0.3904, 0.2786

Sweetspot

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



11.7851, 0.3459, 0.4670



22.9576, 0.3242, 0.3685



8.0304, 0.4196, 0.3875



5.5745, 0.3252, 0.3722



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.



11.7851, 0.3459, 0.4670



20.1099, 0.3498, 0.4978



10.8470, 0.3085, 0.4844



3.2092, 0.3189, 0.3498



13.2467, 0.3457, 0.5637



68.5637, 0.3418, 0.5668

Inverse Universe

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



4.6540, 0.2597, 0.1882



6.1459, 0.2440, 0.1559



5.9785, 0.3128, 0.2080



2.8189, 0.3061, 0.3082



1.9673, 0.1980, 0.0864



9.7529, 0.1922, 0.0832

Previews

White Background



This preview shows how the Yxy color 11.7846, 0.3459, 0.4670 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 11.7846, 0.3459, 0.4670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

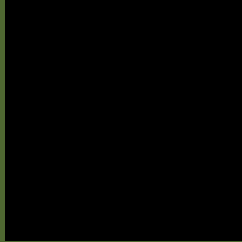
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7846, 0.3459, 0.4670

Background



This preview shows how black text looks on a background with the Yxy color 11.7846, 0.3459, 0.4670.



This preview shows how white text looks on a background with the Yxy color 11.7846, 0.3459, 0.4670.

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

11.7846, 0.3459, 0.4670

Protanopia

11.6272, 0.4005, 0.4385

Deuteranopia

11.7538, 0.4173, 0.4115



Tritanopia

11.8022, 0.2865, 0.3102

Trichromacy



Original Color

11.7846, 0.3459, 0.4670

Protanomaly

11.6157, 0.3794, 0.4497

Deuteranomaly

11.5478, 0.3907, 0.4302

Tritanomaly

11.6550, 0.3095, 0.3661

Monochromacy



Original Color

11.7846, 0.3459, 0.4670

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6709, 0.3274, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7846, 0.3459, 0.4670 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, 104, 49)` looks like.

```
.text, #text, p{  
    color:rgb(79, 104, 49)  
}
```

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, 104, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 104, 49) }
```

Border

The CSS property to change the border of an element to Yxy 11.7846, 0.3459, 0.4670 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, 104, 49) }
```

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

```
.border{ border-color:rgb(79, 104, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 104, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 104, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 104, 49);  
box-shadow:4px 4px 4px 4px rgb(79, 104,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7846, 0.3459, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 104, 49) }
```

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

```
.background{ background-color: rgb(79, 104,  
49) }
```

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