

Converting Colors

$Y_{xy}(18.2236, 0.3611, 0.4906)$

Have a look what the booklet for
Yxy(18.2236, 0.3611, 0.4906)
contains.

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Color

Yxy(18.3529, 0.3610, 0.4912)

Conversions

Conversions Part 1

Format	Color
Hex	64802F
RGB	100, 128, 47
RGB Percent	39%, 50%, 18%
CMY	0.6078, 0.4980, 0.8156
CMYK	0.22, 0.00, 0.63, 0.50
HSL	81°, 46%, 34%
HSV	81°, 63%, 50%
XYZ	13.4882, 18.3529, 5.5223
YIQ	110.3940, 9.3130, -31.1270

Conversions

Conversions Part 2

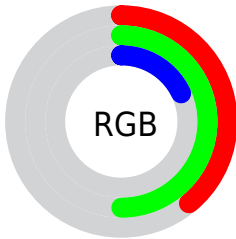
Format	Color
RYB	47, 128, 75
Decimal	6586415
CIELab	49.92, -23.34, 39.63
CIElCh	50, 45.991, 120.502
Yxy	18.3529, 0.3610, 0.4912
Android (android.graphics.Color)	4284776495 (0xFF64802F)
YUV	110.3940, -31.2532, -9.1155
Hunter-Lab	42.8403, -18.7701, 22.3454

Details

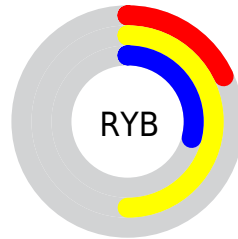
The Yxy color **18.3529, 0.3610, 0.4912** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.0894, 0.2306, 0.1501**, and the grayscale version is **15.8028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6831, 0.3536, 0.4521**, and **6.2701, 0.3614, 0.5512** is the 20% darker color. If you saturate the color by 10%, you get **18.0195, 0.3640, 0.5127**, and if you desaturate by 10%, it is **18.7319, 0.3560, 0.4667**.

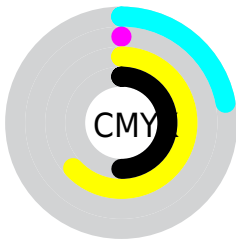
Distribution



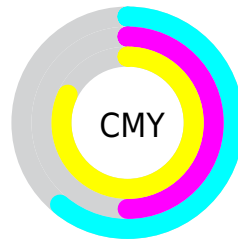
- Red (39%)
- Green (50%)
- Blue (18%)



- Red (18%)
- Yellow (50%)
- Blue (29%)



- Cyan (22%)
- Magenta (0%)
- Yellow (63%)
- Black (50%)





- Cyan (61%)
- Magenta (50%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3529, 0.3610, 0.4912 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 18.3529, 0.3610, 0.4912 by changing the saturation by 10% instead.


 18.3529, 0.3610,
0.4912


 18.3529, 0.3610,
0.4912


242.8527, 0.3379,
0.3953


 11.2036, 0.3642,
0.5201


 40.6377, 0.3538,
0.4525


 6.2040, 0.3650,
0.5596

 56.5421, 0.3506,
0.4392


 2.9695, 0.3679,
0.6321

 76.1337, 0.3478,
0.4283

 1.1158, 0.2982,
0.7018

 99.7968, 0.3453,
0.4194

 0.0000, 0.0000,
0.0000

 127.9158, 0.3431,
0.4119

 160.8753, 0.3412,

0.4055

199.0594, 0.3395,
0.4001

■ 18.3529, 0.3610,
0.4912

■ 18.3529, 0.3610,
0.4912

■ 18.0195, 0.3640,
0.5127

■ 18.7319, 0.3560,
0.4667

■ 17.7264, 0.3647,
0.5304

■ 19.1568, 0.3495,
0.4405

■ 17.4708, 0.3631,
0.5435

■ 19.6306, 0.3417,
0.4136

■ 17.3121, 0.3615,
0.5512

■ 20.1557, 0.3333,
0.3868

■ 20.7340, 0.3245,
0.3610

■ 21.3675, 0.3156,
0.3366

■ 22.0579, 0.3069,
0.3139

■ 22.8069, 0.2985,
0.2930

■ 23.6162, 0.2906,
0.2740

Harmonies

Analogous

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



18.3529, 0.4349, 0.4595



18.3529, 0.3610, 0.4912



18.3529, 0.2788, 0.4626

Triad

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



18.3529, 0.3610, 0.4912



18.3529, 0.1671, 0.2256



18.3529, 0.4178, 0.2803

Complementary

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



18.3529, 0.3610, 0.4912



5.0894, 0.2306, 0.1501

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.



18.3529, 0.3291, 0.2331



18.3529, 0.3610, 0.4912



18.3529, 0.1920, 0.2011

Square

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



18.3529, 0.3610, 0.4912



18.3529, 0.1724, 0.2847



18.3529, 0.2471, 0.2051



18.3529, 0.4763, 0.3387

Rectangle

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



18.3529, 0.3610, 0.4912



18.3529, 0.2303, 0.4083



18.3529, 0.2471, 0.2051



18.3529, 0.3896, 0.2629

Sweetspot

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



18.3537, 0.3610, 0.4912



35.8650, 0.3299, 0.3768



9.6938, 0.4654, 0.3802



8.3402, 0.3321, 0.3832



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3537, 0.3610, 0.4912



31.4853, 0.3646, 0.5212



16.6210, 0.3154, 0.5176



4.9473, 0.3207, 0.3506



17.1663, 0.3615, 0.5512



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.0894, 0.2306, 0.1501



6.1010, 0.2081, 0.1133



7.2042, 0.2957, 0.1787



4.2784, 0.3042, 0.3071



2.0827, 0.1792, 0.0761



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3529, 0.3610, 0.4912 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 18.3529, 0.3610, 0.4912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

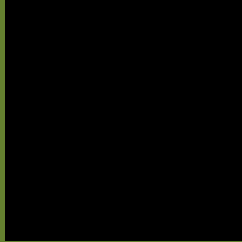
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3529, 0.3610, 0.4912

Background



This preview shows how black text looks on a background with the Yxy color 18.3529, 0.3610, 0.4912.



This preview shows how white text looks on a background with the Yxy color 18.3529, 0.3610, 0.4912.

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

18.3529, 0.3610, 0.4912

Protanopia

18.2810, 0.4154, 0.4583

Deuteranopia

18.2612, 0.4355, 0.4285



Tritanopia

18.3329, 0.2907, 0.3115

Trichromacy



Original Color

18.3529, 0.3610, 0.4912

Protanomaly

18.1016, 0.3947, 0.4707

Deuteranomaly

17.9330, 0.4084, 0.4504

Tritanomaly

18.1309, 0.3189, 0.3784

Monochromacy



Original Color

18.3529, 0.3610, 0.4912

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.4749, 0.3343, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3529, 0.3610, 0.4912 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(100, 128, 47)` looks like.

```
.text, #text, p{  
    color:rgb(100, 128, 47)  
}
```

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(100, 128, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 128, 47) }
```

Border

The CSS property to change the border of an element to Yxy 18.3529, 0.3610, 0.4912 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(100, 128, 47) }
```

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

```
.border{ border-color:rgb(100, 128, 47) }
```

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

Here you see how a box with a 4 pixel rgb(100, 128, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 128, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 128, 47);  
box-shadow:4px 4px 4px 4px rgb(100, 128,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3529, 0.3610, 0.4912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 128, 47) }
```

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

```
.background{ background-color: rgb(100,  
128, 47) }
```

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](#).

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