

Converting Colors

$Y_{xy}(18.6146, 0.3203, 0.4453)$

Have a look what the booklet for
Yxy(18.6146, 0.3203, 0.4453)
contains.

Yxy(18.6109, 0.3212, 0.4459)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6109, 0.3212, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	59824C
RGB	89, 130, 76
RGB Percent	35%, 51%, 30%
CMY	0.6510, 0.4902, 0.7020
CMYK	0.32, 0.00, 0.42, 0.49
HSL	106°, 26%, 40%
HSV	106°, 42%, 51%
XYZ	13.4062, 18.6109, 9.7207
YIQ	111.5850, -7.1020, -25.4860

Conversions

Conversions Part 2

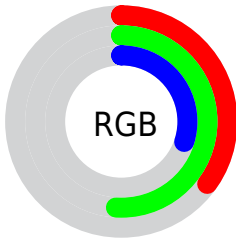
Format	Color
RYB	76, 130, 117
Decimal	5866060
CIELab	50.23, -25.20, 24.80
CIELCh	50, 35.355, 135.456
Yxy	18.6109, 0.3212, 0.4459
Android (android.graphics.Color)	4284056140 (0xFF59824C)
YUV	111.5850, -17.5434, -19.8070
Hunter-Lab	43.1404, -20.0254, 16.8385

Details

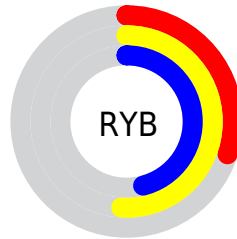
The Yxy color **18.6109, 0.3212, 0.4459** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.5609, 0.2972, 0.2250**, and the grayscale version is **16.1289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0361, 0.3210, 0.4157**, and **6.2822, 0.3185, 0.5029** is the 20% darker color. If you saturate the color by 10%, you get **17.9928, 0.3218, 0.4780**, and if you desaturate by 10%, it is **19.3326, 0.3198, 0.4145**.

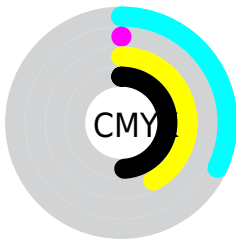
Distribution



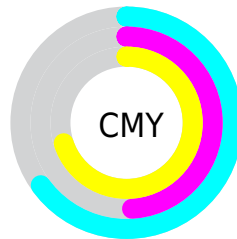
- Red (35%)
- Green (51%)
- Blue (30%)



- Red (30%)
- Yellow (51%)
- Blue (46%)



- Cyan (32%)
- Magenta (0%)
- Yellow (42%)
- Black (49%)





- Cyan (65%)
- Magenta (49%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6109, 0.3212, 0.4459 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 18.6109, 0.3212, 0.4459 by changing the saturation by 10% instead.


 18.6109, 0.3212,
0.4459


 18.6109, 0.3212,
0.4459


244.2922, 0.3184,
0.3756


 11.3895, 0.3206,
0.4689


 41.0756, 0.3209,
0.4167


 6.3294, 0.3185,
0.5026


 57.0876, 0.3205,
0.4069


 3.0464, 0.3129,
0.5581

 76.7986, 0.3201,
0.3991

 1.1560, 0.2852,
0.7148

 100.5930, 0.3197,
0.3927

 0.0253, 0.0000,
1.0000

 128.8551, 0.3193,
0.3873

 0.0000, 0.0000,
0.0000

161.9695, 0.3190,

0.3828

200.3204, 0.3187,
0.3789

■ 18.6109, 0.3212,
0.4459

■ 18.6109, 0.3212,
0.4459

■ 17.9928, 0.3218,
0.4780

■ 19.3326, 0.3198,
0.4145

■ 17.4712, 0.3215,
0.5092

■ 20.1600, 0.3179,
0.3848

■ 17.0416, 0.3201,
0.5378


■ 21.0981, 0.3156,
0.3574


■ 16.6982, 0.3175,
0.5617


■ 22.1508, 0.3131,
0.3326

■ 16.4346, 0.3140,
0.5795

■ 23.3220, 0.3106,
0.3105

 16.2625, 0.3111,
0.5912

 24.6153, 0.3080,
0.2909

 26.0339, 0.3055,
0.2736

 27.5814, 0.3032,
0.2584

 29.2607, 0.3009,
0.2451

Harmonies

Analogous

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



18.6109, 0.3845, 0.4473



18.6109, 0.3212, 0.4459



18.6109, 0.2590, 0.3997

Triad

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



18.6109, 0.3212, 0.4459



18.6109, 0.2032, 0.2350



18.6109, 0.4200, 0.3151

Complementary

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



18.6109, 0.3212, 0.4459



10.5609, 0.2972, 0.2250

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.



18.6109, 0.3610, 0.2704



18.6109, 0.3212, 0.4459



18.6109, 0.2364, 0.2257

Square

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



18.6109, 0.3212, 0.4459



18.6109, 0.1954, 0.2700



18.6109, 0.2925, 0.2387



18.6109, 0.4461, 0.3655

Rectangle

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



18.6109, 0.3212, 0.4459



18.6109, 0.2265, 0.3536



18.6109, 0.2925, 0.2387



18.6109, 0.4030, 0.2992

Sweetspot

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



18.6117, 0.3212, 0.4459



37.0267, 0.3158, 0.3593



17.8743, 0.3814, 0.4054



8.3408, 0.3160, 0.3620



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.



18.6117, 0.3212, 0.4459



31.7264, 0.3218, 0.4767



18.2321, 0.2945, 0.4199



4.8649, 0.3150, 0.3510



15.5949, 0.3112, 0.5911



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.5609, 0.2972, 0.2250



15.5017, 0.2922, 0.2013



11.1861, 0.3387, 0.2531



4.3619, 0.3102, 0.3075



4.0758, 0.2625, 0.1219



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6109, 0.3212, 0.4459 looks on a white 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

Black Background



This preview shows how the Yxy color 18.6109, 0.3212, 0.4459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

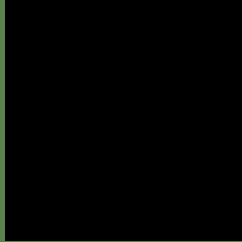
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6109, 0.3212, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 18.6109, 0.3212, 0.4459.



This preview shows how white text looks on a background with the Yxy color 18.6109, 0.3212, 0.4459.

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

18.6109, 0.3212, 0.4459

Protanopia

18.4074, 0.3843, 0.4167

Deuteranopia

18.4535, 0.3964, 0.3893



Tritanopia

18.5120, 0.2750, 0.3092

Trichromacy



Original Color

18.6109, 0.3212, 0.4459

Protanomaly

18.2918, 0.3599, 0.4287

Deuteranomaly

18.2084, 0.3657, 0.4087

Tritanomaly

18.5245, 0.2919, 0.3580

Monochromacy



Original Color

18.6109, 0.3212, 0.4459

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.0376, 0.3170, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6109, 0.3212, 0.4459 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(89, 130, 76)` looks like.

```
.text, #text, p{  
    color:rgb(89, 130, 76)  
}
```

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(89, 130, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 130, 76) }
```

Border

The CSS property to change the border of an element to Yxy 18.6109, 0.3212, 0.4459 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(89, 130, 76) }
```

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

```
.border{ border-color:rgb(89, 130, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 130, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 130, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 130, 76);  
box-shadow:4px 4px 4px 4px rgb(89, 130,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6109, 0.3212, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 130, 76) }
```

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

```
.background{ background-color: rgb(89, 130,  
76) }
```

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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