

Converting Colors

$Y_{xy}(18.0511, 0.3614, 0.4629)$

Have a look what the booklet for
Yxy(18.0511, 0.3614, 0.4629)
contains.

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Color

Yxy(18.0472, 0.3607, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	6A7D3B
RGB	106, 125, 59
RGB Percent	42%, 49%, 23%
CMY	0.5844, 0.5098, 0.7685
CMYK	0.15, 0.00, 0.53, 0.51
HSL	77°, 36%, 36%
HSV	77°, 53%, 49%
XYZ	14.0657, 18.0472, 6.8827
YIQ	111.7950, 9.8620, -24.5540

Conversions

Conversions Part 2

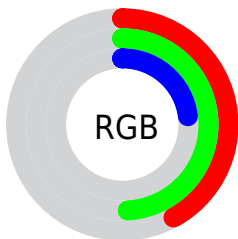
Format	Color
RYB	59, 125, 78
Decimal	6978875
CIELab	49.55, -18.09, 33.35
CIELCh	50, 37.941, 118.470
Yxy	18.0472, 0.3607, 0.4628
Android (android.graphics.Color)	4285168955 (0xFF6A7D3B)
YUV	111.7950, -26.0279, -5.0822
Hunter-Lab	42.4820, -15.2423, 20.1315

Details

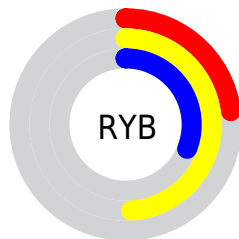
The Yxy color **18.0472, 0.3607, 0.4628** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.2329, 0.2417, 0.1791**, and the grayscale version is **16.2156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2944, 0.3523, 0.4312**, and **6.0629, 0.3717, 0.5203** is the 20% darker color. If you saturate the color by 10%, you get **17.7172, 0.3667, 0.4863**, and if you desaturate by 10%, it is **18.4191, 0.3531, 0.4374**.

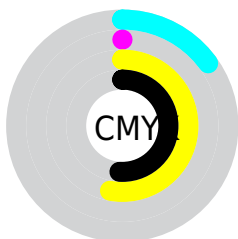
Distribution



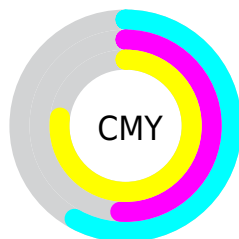
- Red (42%)
- Green (49%)
- Blue (23%)



- Red (23%)
- Yellow (49%)
- Blue (31%)



- Cyan (15%)
- Magenta (0%)
- Yellow (53%)
- Black (51%)



- Cyan (58%)
- Magenta (51%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0472, 0.3607, 0.4628 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 18.0472, 0.3607, 0.4628 by changing the saturation by 10% instead.

18.0472, 0.3607,
0.4628

18.0472, 0.3607,
0.4628

241.1370, 0.3359,
0.3836

10.9839, 0.3659,
0.4872

40.1177, 0.3520,
0.4307

6.0560, 0.3707,
0.5212

55.8937, 0.3486,
0.4196

2.8792, 0.3926,
0.6021

75.3428, 0.3456,
0.4107

1.0690, 0.3453,
0.6547

98.8492, 0.3431,
0.4034

0.0000, 0.0000,
0.0000

126.7974, 0.3410,
0.3972

159.5719, 0.3391,

0.3920

197.5569, 0.3374,
0.3875

■ 18.0472, 0.3607,
0.4628

■ 18.0472, 0.3607,
0.4628

■ 17.7172, 0.3667,
0.4863

■ 18.4191, 0.3531,
0.4374

■ 17.4244, 0.3707,
0.5069

■ 18.8328, 0.3443,
0.4112

■ 17.1670, 0.3725,
0.5236

■ 19.2909, 0.3349,
0.3850

■ 16.9416, 0.3719,
0.5360

■ 19.7953, 0.3251,
0.3596

■ 16.7910, 0.3708,
0.5438

■ 20.3477, 0.3154,
0.3355

■ 20.9498, 0.3059,
0.3129

■ 21.6030, 0.2968,
0.2920

■ 22.3088, 0.2882,
0.2729

■ 23.0687, 0.2801,
0.2556

Harmonies

Analogous

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



18.0472, 0.4214, 0.4386



18.0472, 0.3607, 0.4628



18.0472, 0.2907, 0.4405

Triad

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



18.0472, 0.3607, 0.4628



18.0472, 0.1872, 0.2451



18.0472, 0.3957, 0.2853

Complementary

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



18.0472, 0.3607, 0.4628



6.2329, 0.2417, 0.1791

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.



18.0472, 0.3221, 0.2448



18.0472, 0.3607, 0.4628



18.0472, 0.2074, 0.2205

Square

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



18.0472, 0.3607, 0.4628



18.0472, 0.1945, 0.2984



18.0472, 0.2539, 0.2217



18.0472, 0.4467, 0.3363

Rectangle

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



18.0472, 0.3607, 0.4628



18.0472, 0.2484, 0.3990



18.0472, 0.2539, 0.2217



18.0472, 0.3722, 0.2703

Sweetspot

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



18.0480, 0.3607, 0.4628



35.1093, 0.3287, 0.3686



10.0854, 0.4347, 0.3668



7.9521, 0.3303, 0.3728



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.0480, 0.3607, 0.4628



31.6276, 0.3676, 0.4901



16.4140, 0.3201, 0.4821



4.9591, 0.3215, 0.3506



17.5191, 0.3707, 0.5438



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2329, 0.2417, 0.1791



8.0987, 0.2220, 0.1440



7.9719, 0.2941, 0.1989



4.2671, 0.3034, 0.3070



1.9343, 0.1715, 0.0718



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0472, 0.3607, 0.4628 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 18.0472, 0.3607, 0.4628 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 18.0472, 0.3607, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 18.0472, 0.3607, 0.4628.



This preview shows how white text looks on a background with the Yxy color 18.0472, 0.3607, 0.4628.

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

18.0472, 0.3607, 0.4628

Protanopia

17.9981, 0.4015, 0.4400

Deuteranopia

17.8654, 0.4217, 0.4147



Tritanopia

18.0666, 0.2975, 0.3116

Trichromacy



Original Color

18.0472, 0.3607, 0.4628

Protanomaly

18.0452, 0.3852, 0.4489

Deuteranomaly

17.8053, 0.3983, 0.4322

Tritanomaly

18.0136, 0.3221, 0.3675

Monochromacy



Original Color

18.0472, 0.3607, 0.4628

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8279, 0.3324, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0472, 0.3607, 0.4628 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(106, 125, 59)` looks like.

```
.text, #text, p{  
    color:rgb(106, 125, 59)  
}
```

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(106, 125, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 125, 59) }
```

Border

The CSS property to change the border of an element to Yxy 18.0472, 0.3607, 0.4628 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(106, 125, 59) }
```

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

```
.border{ border-color:rgb(106, 125, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 125, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 125, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 125, 59);  
box-shadow:4px 4px 4px 4px rgb(106, 125,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0472, 0.3607, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 125, 59) }
```

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

```
.background{ background-color: rgb(106,  
125, 59) }
```

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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