

Converting Colors

$Y_{xy}(18.8048, 0.3000, 0.4685)$

Have a look what the booklet for
Yxy(18.8048, 0.3000, 0.4685)
contains.

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Color

Yxy(18.6895, 0.2998, 0.4679)

Conversions

Conversions Part 1

Format	Color
Hex	428649
RGB	66, 134, 73
RGB Percent	26%, 53%, 29%
CMY	0.7411, 0.4745, 0.7137
CMYK	0.51, 0.00, 0.46, 0.47
HSL	126°, 34%, 39%
HSV	126°, 51%, 53%
XYZ	11.9750, 18.6895, 9.2788
YIQ	106.7140, -20.9470, -33.3870

Conversions

Conversions Part 2

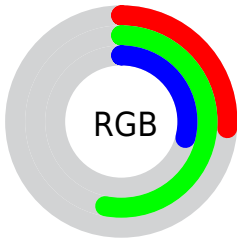
Format	Color
R_{YB}	66, 128, 134
Decimal	4359753
CIE _{Lab}	50.32, -35.21, 26.34
CIE _{LCh}	50, 43.971, 143.206
Yxy	18.6895, 0.2998, 0.4679
Android (android.graphics.Color)	4282549833 (0xFF428649)
YUV	106.7140, -16.6210, -35.7062
Hunter-Lab	43.2314, -26.2106, 17.5364

Details

The Yxy color **18.6895, 0.2998, 0.4679** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.4993, 0.3294, 0.2215**, and the grayscale version is **14.6720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3184, 0.3049, 0.4319**, and **6.2915, 0.2854, 0.5374** is the 20% darker color. If you saturate the color by 10%, you get **18.1336, 0.2980, 0.4997**, and if you desaturate by 10%, it is **19.3868, 0.3021, 0.4362**.

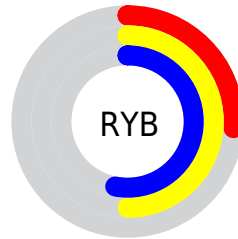
Distribution



Red (26%)

Green (53%)

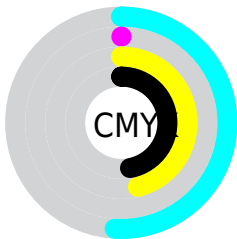
Blue (29%)



Red (26%)

Yellow (50%)

Blue (53%)

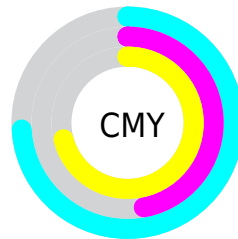


Cyan (51%)

Magenta (0%)

Yellow (46%)

Black (47%)



Cyan (74%)


Magenta (47%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6895, 0.2998, 0.4679 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 18.6895, 0.2998, 0.4679 by changing the saturation by 10% instead.


 18.6895, 0.2998,
0.4679


 18.6895, 0.2998,
0.4679


244.7292, 0.3101,
0.3833

 11.4461, 0.2947,
0.4962


 41.2088, 0.3050,
0.4324


 6.3678, 0.2857,
0.5379


 57.2535, 0.3065,
0.4207


 3.0700, 0.2697,
0.6095

 77.0007, 0.3075,
0.4113

 1.1684, 0.1624,
0.8376

 100.8349, 0.3083,
0.4036

 0.0356, 0.0000,
1.0000

 129.1405, 0.3089,
0.3972

 0.0000, 0.0000,
0.0000

162.3018, 0.3094,

0.3919

200.7032, 0.3098,
0.3873

■ 18.6895, 0.2998,
0.4679

■ 18.6895, 0.2998,
0.4679

■ 18.1336, 0.2980,
0.4997

■ 19.3868, 0.3021,
0.4362

■ 17.7074, 0.2969,
0.5298

■ 20.2319, 0.3046,
0.4060

■ 17.4008, 0.2965,
0.5560

■ 21.2335, 0.3073,
0.3780

■ 17.2015, 0.2970,
0.5767

■ 22.3988, 0.3099,
0.3529

■ 17.0816, 0.2973,
0.5903

■ 23.7349, 0.3125,
0.3305

■ 25.2483, 0.3150,
0.3110

■ 26.9450, 0.3173,
0.2939

■ 28.8309, 0.3194,
0.2792

■ 30.9117, 0.3214,
0.2664

Harmonies

Analogous

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



18.6895, 0.3784, 0.4803



18.6895, 0.2998, 0.4679



18.6895, 0.2289, 0.3960

Triad

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



18.6895, 0.2998, 0.4679



18.6895, 0.1885, 0.2095



18.6895, 0.4591, 0.3248

Complementary

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



18.6895, 0.2998, 0.4679



10.4993, 0.3294, 0.2215

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.



18.6895, 0.3935, 0.2703



18.6895, 0.2998, 0.4679



18.6895, 0.2346, 0.2069

Square

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



18.6895, 0.2998, 0.4679



18.6895, 0.1715, 0.2411



18.6895, 0.3079, 0.2286



18.6895, 0.4764, 0.3848

Rectangle

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



18.6895, 0.2998, 0.4679



18.6895, 0.1957, 0.3349



18.6895, 0.3079, 0.2286



18.6895, 0.4416, 0.3057

Sweetspot

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



18.6903, 0.2998, 0.4679



38.4839, 0.3087, 0.3641



21.9716, 0.3756, 0.4512



8.5881, 0.3082, 0.3686



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.6903, 0.2998, 0.4679



31.8134, 0.2978, 0.5047



19.2667, 0.2708, 0.3888



5.2120, 0.3104, 0.3491



16.0086, 0.2972, 0.5901



0.0559, 0.2859, 0.5493

Inverse Universe

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



10.4993, 0.3294, 0.2215



15.6468, 0.3339, 0.2015



9.7605, 0.3923, 0.2782



4.7548, 0.3151, 0.3097



6.0269, 0.3477, 0.1689



0.0215, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 18.6895, 0.2998, 0.4679 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 18.6895, 0.2998, 0.4679 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 18.6895, 0.2998, 0.4679

Background



This preview shows how black text looks on a background with the Yxy color 18.6895, 0.2998, 0.4679.



This preview shows how white text looks on a background with the Yxy color 18.6895, 0.2998, 0.4679.

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

18.6895, 0.2998, 0.4679

Protanopia

18.4363, 0.3902, 0.4232

Deuteranopia

18.4243, 0.3990, 0.3927



Tritanopia

18.7342, 0.2553, 0.3086

Trichromacy



Original Color

18.6895, 0.2998, 0.4679

Protanomaly

17.9833, 0.3518, 0.4400

Deuteranomaly

17.8414, 0.3577, 0.4195

Tritanomaly

18.7167, 0.2718, 0.3633

Monochromacy



Original Color

18.6895, 0.2998, 0.4679

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.8241, 0.3067, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6895, 0.2998, 0.4679 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(66, 134, 73)` looks like.

```
.text, #text, p{  
    color:rgb(66, 134, 73)  
}
```

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(66, 134, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 134, 73) }
```

Border

The CSS property to change the border of an element to Yxy 18.6895, 0.2998, 0.4679 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(66, 134, 73) }
```

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

```
.border{ border-color:rgb(66, 134, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 134, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 134, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 134, 73);  
box-shadow:4px 4px 4px 4px rgb(66, 134,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6895, 0.2998, 0.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 134, 73) }
```

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

```
.background{ background-color: rgb(66, 134,  
73) }
```

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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