

Converting Colors

$Yxy(18.4186, 0.2343, 0.3017)$

Have a look what the booklet for
Yxy(18.4186, 0.2343, 0.3017)
contains.

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Color

$Y_{xy}(18.4943, 0.2345, 0.3019)$

Conversions

Conversions Part 1

Format	Color
Hex	38818E
RGB	56, 129, 142
RGB Percent	22%, 51%, 56%
CMY	0.7802, 0.4941, 0.4432
CMYK	0.61, 0.09, 0.00, 0.44
HSL	189°, 43%, 39%
HSV	189°, 61%, 56%
XYZ	14.3654, 18.4943, 28.4000
YIQ	108.6550, -47.6810, -11.4330

Conversions

Conversions Part 2

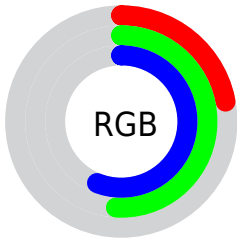
Format	Color
RYB	56, 95, 142
Decimal	3703182
CIELab	50.09, -18.54, -13.84
CIElCh	50, 23.131, 216.742
Yxy	18.4943, 0.2345, 0.3019
Android (android.graphics.Color)	4281893262 (0xFF38818E)
YUV	108.6550, 16.4391, -46.1784
Hunter-Lab	43.0050, -15.6326, -9.0509

Details

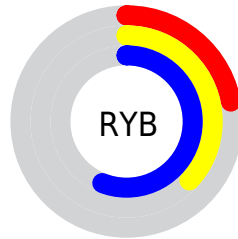
The Yxy color **18.4943, 0.2345, 0.3019** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.2991, 0.4779, 0.3515**, and the grayscale version is **15.1574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8862, 0.2517, 0.3083**, and **6.5100, 0.2139, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **17.5821, 0.2261, 0.2967**, and if you desaturate by 10%, it is **19.5359, 0.2445, 0.3070**.

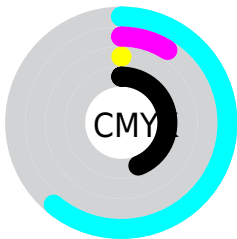
Distribution



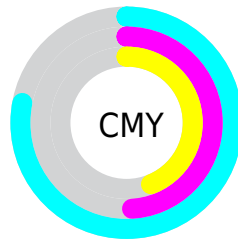
- Red (22%)
- Green (51%)
- Blue (56%)



- Red (22%)
- Yellow (37%)
- Blue (56%)



- Cyan (61%)
- Magenta (9%)
- Yellow (0%)
- Black (44%)




- Cyan (78%)
- Magenta (49%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4943, 0.2345, 0.3019 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 18.4943, 0.2345, 0.3019 by changing the saturation by 10% instead.


 18.4943, 0.2345,
0.3019


 18.4943, 0.2345,
0.3019


243.6426, 0.2784,
0.3185


 11.3054, 0.2217,
0.2963


 40.8778, 0.2517,
0.3089


 6.2727, 0.2041,
0.2881


 56.8413, 0.2578,
0.3112

 3.0116, 0.1785,
0.2749

 76.4984, 0.2628,
0.3130

 1.1378, 0.1349,
0.2519

 100.2335, 0.2669,
0.3145

 0.0100, 0.0000,
0.0101

 128.4312, 0.2705,
0.3158

 0.0000, 0.0000,
0.0000

161.4756, 0.2735,

0.3168

199.7513, 0.2761,
0.3177

■ 18.4943, 0.2345,
0.3019

■ 18.4943, 0.2345,
0.3019

■ 17.5821, 0.2261,
0.2967

■ 19.5359, 0.2445,
0.3070

■ 16.7870, 0.2196,
0.2915

■ 20.7138, 0.2561,
0.3119

■ 16.0978, 0.2148,
0.2862

■ 22.0367, 0.2689,
0.3166

■ 15.5111, 0.2115,
0.2813

■ 23.5122, 0.2826,
0.3210

■ 25.1472, 0.2971,
0.3251

■ 26.9481, 0.3119,
0.3288

■ 28.9210, 0.3270,
0.3322

■ 31.0717, 0.3419,
0.3353

■ 33.4056, 0.3567,
0.3380

Harmonies

Analogous

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



18.4943, 0.2541, 0.3440



18.4943, 0.2345, 0.3019



18.4943, 0.2342, 0.2717

Triad

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



18.4943, 0.2345, 0.3019



18.4943, 0.3321, 0.2816



18.4943, 0.3727, 0.4036

Complementary

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



18.4943, 0.2345, 0.3019



10.2991, 0.4779, 0.3515

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.



18.4943, 0.3971, 0.3801



18.4943, 0.2345, 0.3019



18.4943, 0.3734, 0.3113

Square

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



18.4943, 0.2345, 0.3019



18.4943, 0.2878, 0.2627



18.4943, 0.3978, 0.3464



18.4943, 0.3331, 0.4069

Rectangle

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



18.4943, 0.2345, 0.3019



18.4943, 0.2447, 0.2610



18.4943, 0.3978, 0.3464



18.4943, 0.3831, 0.3975

Sweetspot

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



18.4950, 0.2345, 0.3019



42.0616, 0.2857, 0.3219



20.6149, 0.2951, 0.4915



9.2343, 0.2820, 0.3208



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.4950, 0.2345, 0.3019



30.4240, 0.2233, 0.2946



9.4726, 0.2132, 0.2049



5.9793, 0.2990, 0.3256



13.9497, 0.2115, 0.2815



0.1577, 0.2185, 0.3067

Inverse Universe

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



10.1691, 0.3405, 0.2094



15.0421, 0.3484, 0.1910



17.6058, 0.4256, 0.4245



5.4972, 0.3159, 0.3105



6.3946, 0.3621, 0.1768



0.0636, 0.3396, 0.1644

Previews

White Background



This preview shows how the Yxy color 18.4943, 0.2345, 0.3019 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 18.4943, 0.2345, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

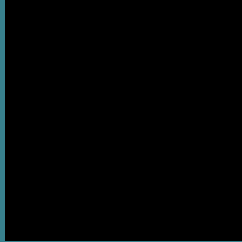
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4943, 0.2345, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 18.4943, 0.2345, 0.3019.

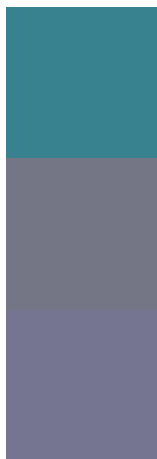


This preview shows how white text looks on a background with the Yxy color 18.4943, 0.2345, 0.3019.

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

18.4943, 0.2345, 0.3019

Protanopia

18.3911, 0.2923, 0.2989

Deuteranopia

18.3170, 0.2817, 0.2761



Tritanopia

18.4062, 0.2353, 0.3058

Trichromacy



Original Color

18.4943, 0.2345, 0.3019

Protanomaly

18.1049, 0.2659, 0.2992

Deuteranomaly

18.1213, 0.2604, 0.2844

Tritanomaly

18.4358, 0.2346, 0.3038

Monochromacy



Original Color

18.4943, 0.2345, 0.3019

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.0449, 0.2760, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4943, 0.2345, 0.3019 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(56, 129, 142)` looks like.

```
.text, #text, p{  
    color:rgb(56, 129, 142)  
}
```

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(56, 129, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 129, 142) }
```

Border

The CSS property to change the border of an element to Yxy 18.4943, 0.2345, 0.3019 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(56, 129, 142) }
```

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

```
.border{ border-color:rgb(56, 129, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 129, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 129, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 129, 142);  
box-shadow:4px 4px 4px 4px rgb(56, 129,  
142) }
```


Background

The CSS property to change the background color of an element to `rgb(18.4943, 0.2345, 0.3019)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 129, 142) }
```

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

```
.background{ background-color: rgb(56, 129,  
142) }
```

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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