

Converting Colors

$Y_{xy}(18.6995, 0.2669, 0.3392)$

Have a look what the booklet for
Yxy(18.6995, 0.2669, 0.3392)
contains.

Yxy(18.5739, 0.2668, 0.3394)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(18.5739, 0.2668, 0.3394)$

Conversions

Conversions Part 1

Format	Color
Hex	50807B
RGB	80, 128, 123
RGB Percent	31%, 50%, 48%
CMY	0.6863, 0.4980, 0.5177
CMYK	0.38, 0.00, 0.04, 0.50
HSL	174°, 23%, 41%
HSV	174°, 38%, 50%
XYZ	14.6008, 18.5739, 21.5510
YIQ	113.0780, -27.0030, -11.7310

Conversions

Conversions Part 2

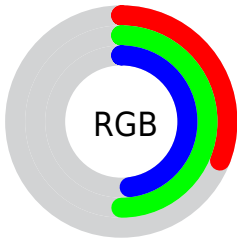
Format	Color
R_{YB}	80, 105, 128
Decimal	5275771
CIE _{Lab}	50.18, -17.50, -2.44
CIE _{LCh}	50, 17.667, 187.950
Yxy	18.5739, 0.2668, 0.3394
Android (android.graphics.Color)	4283465851 (0xFF50807B)
YUV	113.0780, 4.8915, -29.0094
Hunter-Lab	43.0974, -14.9472, 0.5201

Details

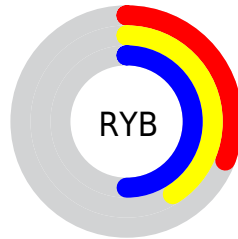
The Yxy color $18.5739, 0.2668, 0.3394$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $10.9803, 0.3899, 0.3192$, and the grayscale version is $16.5281, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.9682, 0.2772, 0.3378$, and $6.3624, 0.2483, 0.3459$ is the 20% darker color. If you saturate the color by 10%, you get $18.0364, 0.2572, 0.3426$, and if you desaturate by 10%, it is $19.2195, 0.2778, 0.3363$.

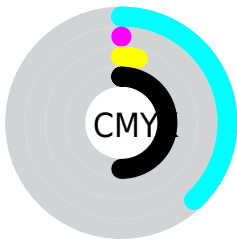
Distribution



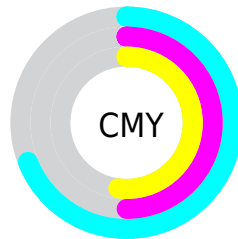
- Red (31%)
- Green (50%)
- Blue (48%)



- Red (31%)
- Yellow (41%)
- Blue (50%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (50%)



- Cyan (69%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5739, 0.2668, 0.3394 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 18.5739, 0.2668, 0.3394 by changing the saturation by 10% instead.

■ 18.5739, 0.2668,
0.3394

■ 18.5739, 0.2668,
0.3394

■ 244.0862, 0.2930,
0.3337

■ 11.3628, 0.2588,
0.3410

■ 41.0128, 0.2773,
0.3372

■ 6.3114, 0.2476,
0.3432

■ 57.0095, 0.2809,
0.3364

■ 3.0353, 0.2304,
0.3464

■ 76.7034, 0.2839,
0.3357

■ 1.1502, 0.1976,
0.3526

■ 100.4790, 0.2863,
0.3352

■ 0.0205, 0.0000,
0.0958

■ 128.7207, 0.2884,
0.3347

■ 0.0000, 0.0000,
0.0000

161.8129, 0.2902,

0.3343

200.1399, 0.2917,
0.3340

■ 18.5739, 0.2668,
0.3394

■ 18.5739, 0.2668,
0.3394

■ 18.0364, 0.2572,
0.3426

■ 19.2195, 0.2778,
0.3363

■ 17.5987, 0.2491,
0.3460

■ 19.9766, 0.2898,
0.3335

■ 17.2550, 0.2427,
0.3494

■ 20.8510, 0.3027,
0.3308

■ 16.9976, 0.2381,
0.3529


■ 21.8476, 0.3161,
0.3284


■ 16.8182, 0.2353,
0.3563


■ 22.9711, 0.3299,
0.3262


 16.6977, 0.2338,
0.3598

 24.2258, 0.3438,
0.3243

 16.6696, 0.2335,
0.3606

 25.6157, 0.3576,
0.3226

 27.1450, 0.3712,
0.3210

 28.8173, 0.3844,
0.3197

Harmonies

Analogous

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



18.5739, 0.2942, 0.3696



18.5739, 0.2668, 0.3394



18.5739, 0.2518, 0.3079

Triad

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



18.5739, 0.2668, 0.3394



18.5739, 0.2952, 0.2777



18.5739, 0.3768, 0.3700

Complementary

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



18.5739, 0.2668, 0.3394



10.9803, 0.3899, 0.3192

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.



18.5739, 0.3777, 0.3445



18.5739, 0.2668, 0.3394



18.5739, 0.3292, 0.2929

Square

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



18.5739, 0.2668, 0.3394



18.5739, 0.2675, 0.2743



18.5739, 0.3600, 0.3168



18.5739, 0.3580, 0.3865

Rectangle

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



18.5739, 0.2668, 0.3394



18.5739, 0.2502, 0.2910



18.5739, 0.3600, 0.3168



18.5739, 0.3793, 0.3622

Sweetspot

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



18.5746, 0.2668, 0.3394



36.1074, 0.2978, 0.3318



17.9778, 0.3138, 0.4351



8.4133, 0.2963, 0.3321



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.



18.5746, 0.2668, 0.3394



31.8812, 0.2585, 0.3421



14.3285, 0.2569, 0.2890



4.8794, 0.3006, 0.3312



16.5273, 0.2335, 0.3606



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9803, 0.3899, 0.3192



16.4900, 0.4169, 0.3171



13.9775, 0.3859, 0.3655



4.3510, 0.3263, 0.3268



4.5804, 0.6230, 0.3206



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5739, 0.2668, 0.3394 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 18.5739, 0.2668, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

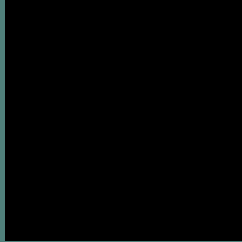
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5739, 0.2668, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 18.5739, 0.2668, 0.3394.



This preview shows how white text looks on a background with the Yxy color 18.5739, 0.2668, 0.3394.

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

18.5739, 0.2668, 0.3394

Protanopia

18.3062, 0.3177, 0.3309

Deuteranopia

18.2799, 0.3149, 0.3087



Tritanopia

18.5383, 0.2576, 0.3086

Trichromacy



Original Color

18.5739, 0.2668, 0.3394

Protanomaly

18.3151, 0.2969, 0.3349

Deuteranomaly

18.2286, 0.2950, 0.3192

Tritanomaly

18.6113, 0.2613, 0.3206

Monochromacy



Original Color

18.5739, 0.2668, 0.3394

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0079, 0.2930, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5739, 0.2668, 0.3394 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(80, 128, 123)` looks like.

```
.text, #text, p{  
    color:rgb(80, 128, 123)  
}
```

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(80, 128, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 128, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.5739, 0.2668, 0.3394 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(80, 128, 123) }
```

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

```
.border{ border-color:rgb(80, 128, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 128, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 128, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 128, 123);  
box-shadow:4px 4px 4px 4px rgb(80, 128,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5739, 0.2668, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 128, 123) }
```

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

```
.background{ background-color: rgb(80, 128,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor