

Converting Colors

$Y_{xy}(18.8093, 0.2743, 0.3386)$

Have a look what the booklet for
Yxy(18.8093, 0.2743, 0.3386)
contains.

Yxy(18.9431, 0.2743, 0.3392)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(18.9431, 0.2743, 0.3392)$

Conversions

Conversions Part 1

Format	Color
Hex	58807B
RGB	88, 128, 123
RGB Percent	35%, 50%, 48%
CMY	0.6549, 0.4980, 0.5177
CMYK	0.31, 0.00, 0.04, 0.50
HSL	172°, 19%, 42%
HSV	172°, 31%, 50%
XYZ	15.3187, 18.9431, 21.5846
YIQ	115.4700, -22.2350, -10.0350

Conversions

Conversions Part 2

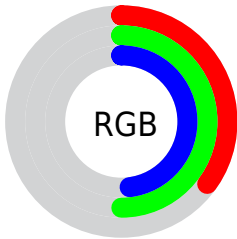
Format	Color
R_{YB}	88, 109, 128
Decimal	5800059
CIE _{Lab}	50.62, -15.06, -1.75
CIE _{LCh}	51, 15.158, 186.641
Yxy	18.9431, 0.2743, 0.3392
Android (android.graphics.Color)	4283990139 (0xFF58807B)
YUV	115.4700, 3.7123, -24.0912
Hunter-Lab	43.5237, -13.3413, 1.0630

Details

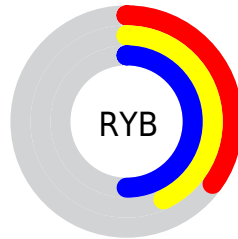
The Yxy color **18.9431, 0.2743, 0.3392** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.3606, 0.3711, 0.3192**, and the grayscale version is **17.2888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6319, 0.2831, 0.3377**, and **6.5375, 0.2593, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **18.3332, 0.2640, 0.3430**, and if you desaturate by 10%, it is **19.6649, 0.2857, 0.3357**.

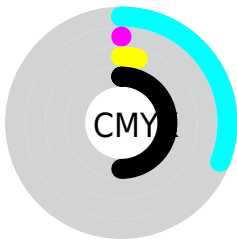
Distribution



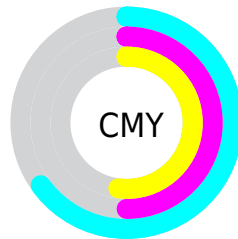
- Red (35%)
- Green (50%)
- Blue (48%)



- Red (35%)
- Yellow (43%)
- Blue (50%)



- Cyan (31%)
- Magenta (0%)
- Yellow (4%)
- Black (50%)





- Cyan (65%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9431, 0.2743, 0.3392 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 18.9431, 0.2743, 0.3392 by changing the saturation by 10% instead.


 18.9431, 0.2743,
0.3392


 18.9431, 0.2743,
0.3392


246.1345, 0.2962,
0.3335


 11.6292, 0.2676,
0.3409


 41.6379, 0.2831,
0.3370


 6.4917, 0.2582,
0.3432


 57.7876, 0.2861,
0.3362


 3.1463, 0.2438,
0.3465

 77.6514, 0.2886,
0.3355

 1.2086, 0.2186,
0.3522

 101.6135, 0.2906,
0.3350

 0.0687, 0.0000,
0.2582

 130.0585, 0.2924,
0.3345

 0.0000, 0.0000,
0.0000

163.3708, 0.2938,

0.3341

201.9346, 0.2951,
0.3338

■ 18.9431, 0.2743,
0.3392

■ 18.9431, 0.2743,
0.3392

■ 18.3332, 0.2640,
0.3430

■ 19.6649, 0.2857,
0.3357

■ 17.8271, 0.2551,
0.3469

■ 20.5016, 0.2981,
0.3324

■ 17.4194, 0.2478,
0.3510

■ 21.4590, 0.3111,
0.3294

■ 17.1031, 0.2422,
0.3552

■ 22.5417, 0.3244,
0.3266

■ 16.8704, 0.2384,
0.3594

■ 23.7541, 0.3380,
0.3242

■ 16.7121, 0.2363,
0.3636

■ 25.1006, 0.3515,
0.3220

■ 16.6080, 0.2354,
0.3673

■ 26.5850, 0.3649,
0.3201

■ 28.2114, 0.3779,
0.3184

■ 29.9832, 0.3906,
0.3169

Harmonies

Analogous

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



18.9431, 0.2983, 0.3642



18.9431, 0.2743, 0.3392



18.9431, 0.2607, 0.3123

Triad

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



18.9431, 0.2743, 0.3392



18.9431, 0.2967, 0.2844



18.9431, 0.3677, 0.3636

Complementary

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



18.9431, 0.2743, 0.3392



12.3606, 0.3711, 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.



18.9431, 0.3677, 0.3416



18.9431, 0.2743, 0.3392



18.9431, 0.3256, 0.2972

Square

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



18.9431, 0.2743, 0.3392



18.9431, 0.2732, 0.2822



18.9431, 0.3520, 0.3177



18.9431, 0.3525, 0.3777

Rectangle

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



18.9431, 0.2743, 0.3392



18.9431, 0.2589, 0.2976



18.9431, 0.3520, 0.3177



18.9431, 0.3695, 0.3568

Sweetspot

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



18.9439, 0.2743, 0.3392



36.4210, 0.3007, 0.3317



18.4886, 0.3147, 0.4147



8.4799, 0.2991, 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.



18.9439, 0.2743, 0.3392



32.6209, 0.2674, 0.3417



15.5193, 0.2663, 0.2980



4.8779, 0.3008, 0.3317



16.4675, 0.2354, 0.3673



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3606, 0.3711, 0.3192



19.2381, 0.3890, 0.3171



14.9294, 0.3712, 0.3579



4.3524, 0.3260, 0.3263



4.5879, 0.6189, 0.3183



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9431, 0.2743, 0.3392 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 18.9431, 0.2743, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

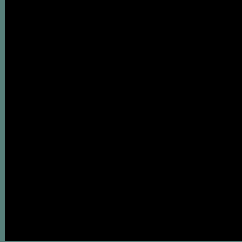
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9431, 0.2743, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 18.9431, 0.2743, 0.3392.



This preview shows how white text looks on a background with the Yxy color 18.9431, 0.2743, 0.3392.

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

18.9431, 0.2743, 0.3392

Protanopia

18.9519, 0.3188, 0.3328

Deuteranopia

18.6386, 0.3186, 0.3125



Tritanopia

18.9234, 0.2649, 0.3090

Trichromacy



Original Color

18.9431, 0.2743, 0.3392

Protanomaly

18.8370, 0.3005, 0.3349

Deuteranomaly

18.4656, 0.3009, 0.3212

Tritanomaly

18.9911, 0.2687, 0.3208

Monochromacy



Original Color

18.9431, 0.2743, 0.3392

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.7442, 0.2967, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9431, 0.2743, 0.3392 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(88, 128, 123)` looks like.

```
.text, #text, p{  
  color:rgb(88, 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(88, 128, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 128, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.9431, 0.2743, 0.3392 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(88, 128, 123) }
```

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

```
.border{ border-color:rgb(88, 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(88, 128, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 128, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 128, 123);  
box-shadow:4px 4px 4px 4px rgb(88, 128,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9431, 0.2743, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 128, 123) }
```

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

```
.background{ background-color: rgb(88, 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