

Converting Colors

$Y_{xy}(19.4767, 0.2609, 0.3496)$

Have a look what the booklet for
Yxy(19.4767, 0.2609, 0.3496)
contains.

Yxy(19.5447, 0.2607, 0.3500)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.5447, 0.2607, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	47857B
RGB	71, 133, 123
RGB Percent	28%, 52%, 48%
CMY	0.7217, 0.4784, 0.5177
CMYK	0.47, 0.00, 0.08, 0.48
HSL	170°, 30%, 40%
HSV	170°, 47%, 52%
XYZ	14.5580, 19.5447, 21.7393
YIQ	113.3220, -33.7420, -16.2540

Conversions

Conversions Part 2

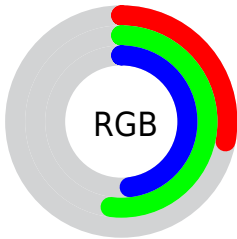
Format	Color
R_{YB}	71, 105, 133
Decimal	4687227
CIE _{Lab}	51.32, -22.64, -0.83
CIE _{LCh}	51, 22.660, 182.093
Yxy	19.5447, 0.2607, 0.3500
Android (android.graphics.Color)	4282877307 (0xFF47857B)
YUV	113.3220, 4.7713, -37.1164
Hunter-Lab	44.2094, -18.5870, 1.7916

Details

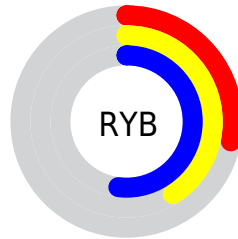
The Yxy color **19.5447, 0.2607, 0.3500** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.0822, 0.4124, 0.3101**, and the grayscale version is **16.6043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4239, 0.2724, 0.3453**, and **6.7825, 0.2400, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **19.0436, 0.2529, 0.3553**, and if you desaturate by 10%, it is **20.1587, 0.2700, 0.3449**.

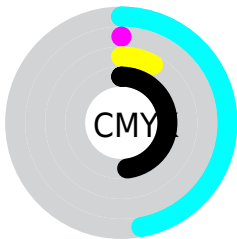
Distribution



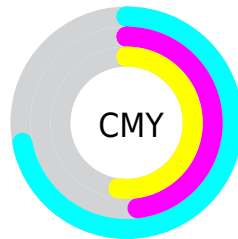
- Red (28%)
- Green (52%)
- Blue (48%)



- Red (28%)
- Yellow (41%)
- Blue (52%)



- Cyan (47%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)




- Cyan (72%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5447, 0.2607, 0.3500 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 19.5447, 0.2607, 0.3500 by changing the saturation by 10% instead.


 19.5447, 0.2607,
0.3500


 19.5447, 0.2607,
0.3500


249.4395, 0.2903,
0.3382


 12.0645, 0.2518,
0.3535


 42.6525, 0.2725,
0.3453


 6.7876, 0.2393,
0.3584


 59.0489, 0.2766,
0.3437


 3.3296, 0.2205,
0.3657

 79.1862, 0.2799,
0.3423

 1.3062, 0.1854,
0.3794

 103.4488, 0.2827,
0.3412

 0.1460, 0.0000,
0.4024

 132.2210, 0.2850,
0.3403

 0.0000, 0.0000,
0.0000

165.8873, 0.2870,

0.3395

204.8320, 0.2888,
0.3388

■ 19.5447, 0.2607,
0.3500

■ 19.5447, 0.2607,
0.3500

■ 19.0436, 0.2529,
0.3553

■ 20.1587, 0.2700,
0.3449

■ 18.6456, 0.2468,
0.3608

■ 20.8897, 0.2805,
0.3401

■ 18.3435, 0.2424,
0.3663

■ 21.7447, 0.2920,
0.3357

■ 18.1279, 0.2399,
0.3719

■ 22.7294, 0.3043,
0.3315

■ 17.9818, 0.2390,
0.3775

■ 23.8490, 0.3170,
0.3278

■ 17.9371, 0.2387,
0.3794

■ 25.1085, 0.3300,
0.3244

■ 26.5128, 0.3431,
0.3214

■ 28.0664, 0.3560,
0.3187

■ 29.7736, 0.3687,
0.3164

Harmonies

Analogous

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



19.5447, 0.2968, 0.3870



19.5447, 0.2607, 0.3500



19.5447, 0.2390, 0.3088

Triad

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



19.5447, 0.2607, 0.3500



19.5447, 0.2828, 0.2634



19.5447, 0.3957, 0.3738

Complementary

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



19.5447, 0.2607, 0.3500



10.0822, 0.4124, 0.3101

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.



19.5447, 0.3924, 0.3406



19.5447, 0.2607, 0.3500



19.5447, 0.3247, 0.2796

Square

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



19.5447, 0.2607, 0.3500



19.5447, 0.2511, 0.2620



19.5447, 0.3657, 0.3071



19.5447, 0.3754, 0.3984

Rectangle

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



19.5447, 0.2607, 0.3500



19.5447, 0.2347, 0.2862



19.5447, 0.3657, 0.3071



19.5447, 0.3973, 0.3632

Sweetspot

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



19.5455, 0.2607, 0.3500



39.3246, 0.2948, 0.3347



18.9947, 0.3167, 0.4647



8.7892, 0.2926, 0.3355



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.



19.5455, 0.2607, 0.3500



34.0482, 0.2525, 0.3556



14.6920, 0.2448, 0.2841



5.2663, 0.3012, 0.3325



17.0836, 0.2387, 0.3792



0.0600, 0.2312, 0.3525

Inverse Universe

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



10.0822, 0.4124, 0.3101



14.9121, 0.4496, 0.3067



13.0340, 0.4133, 0.3688



4.7001, 0.3256, 0.3255



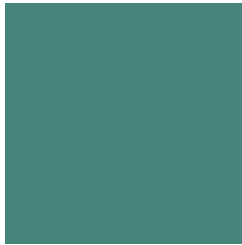
4.8040, 0.6112, 0.3140



0.0174, 0.5265, 0.2674

Previews

White Background



This preview shows how the Yxy color 19.5447, 0.2607, 0.3500 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 19.5447, 0.2607, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

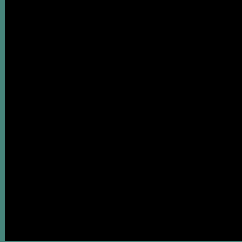
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5447, 0.2607, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 19.5447, 0.2607, 0.3500.

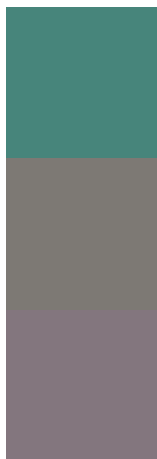


This preview shows how white text looks on a background with the Yxy color 19.5447, 0.2607, 0.3500.

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

19.5447, 0.2607, 0.3500

Protanopia

19.2957, 0.3235, 0.3384

Deuteranopia

19.2885, 0.3197, 0.3145



Tritanopia

19.4249, 0.2491, 0.3068

Trichromacy



Original Color

19.5447, 0.2607, 0.3500

Protanomaly

19.0024, 0.2958, 0.3409

Deuteranomaly

18.8978, 0.2940, 0.3251

Tritanomaly

19.4097, 0.2534, 0.3227

Monochromacy



Original Color

19.5447, 0.2607, 0.3500

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.3140, 0.2897, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5447, 0.2607, 0.3500 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(71, 133, 123)` looks like.

```
.text, #text, p{  
    color:rgb(71, 133, 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(71, 133, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 133, 123) }
```

Border

The CSS property to change the border of an element to Yxy 19.5447, 0.2607, 0.3500 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(71, 133, 123) }
```

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

```
.border{ border-color:rgb(71, 133, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 133, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 133, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 133, 123);  
box-shadow:4px 4px 4px 4px rgb(71, 133,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5447, 0.2607, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 133, 123) }
```

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

```
.background{ background-color: rgb(71, 133,  
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