

Converting Colors

$Y_{xy}(18.8408, 0.2885, 0.3334)$

Have a look what the booklet for
Yxy(18.8408, 0.2885, 0.3334)
contains.

Yxy(18.9221, 0.2883, 0.3329)	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

Yxy(18.9221, 0.2883, 0.3329)

Conversions

Conversions Part 1

Format	Color
Hex	667D7B
RGB	102, 125, 123
RGB Percent	40%, 49%, 48%
CMY	0.6001, 0.5098, 0.5176
CMYK	0.18, 0.00, 0.02, 0.51
HSL	175°, 10%, 45%
HSV	175°, 18%, 49%
XYZ	16.3870, 18.9221, 21.5311
YIQ	117.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

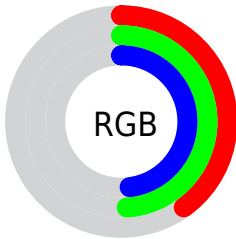
Format	Color
R_{YB}	102, 114, 125
Decimal	6716795
CIE _{Lab}	50.60, -8.77, -1.70
CIE _{LCh}	51, 8.929, 190.968
Yxy	18.9221, 0.2883, 0.3329
Android (android.graphics.Color)	4284906875 (0xFF667D7B)
YUV	117.8950, 2.5168, -13.9399
Hunter-Lab	43.4995, -8.8802, 1.1028

Details

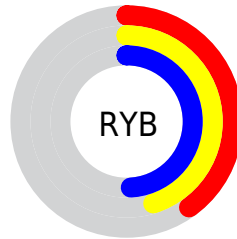
The Yxy color **18.9221, 0.2883, 0.3329** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8583, 0.3437, 0.3252**, and the grayscale version is **18.0767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7082, 0.2940, 0.3332**, and **6.4755, 0.2794, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **18.2199, 0.2762, 0.3353**, and if you desaturate by 10%, it is **19.7363, 0.3013, 0.3307**.

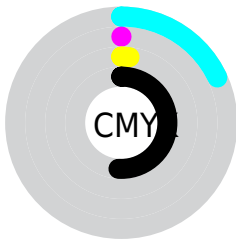
Distribution



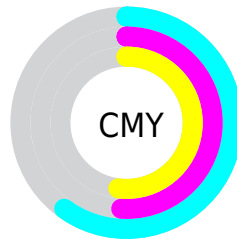
- Red (40%)
- Green (49%)
- Blue (48%)



- Red (40%)
- Yellow (45%)
- Blue (49%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)





- Cyan (60%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9221, 0.2883, 0.3329 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 18.9221, 0.2883, 0.3329 by changing the saturation by 10% instead.


 18.9221, 0.2883,
0.3329


 18.9221, 0.2883,
0.3329


246.0184, 0.3023,
0.3308


 11.6140, 0.2840,
0.3335


 41.6024, 0.2939,
0.3321

 6.4814, 0.2780,
0.3344


 57.7434, 0.2958,
0.3318

 3.1400, 0.2687,
0.3356

 77.5976, 0.2974,
0.3315

 1.2052, 0.2527,
0.3375

 101.5492, 0.2987,
0.3313

 0.0660, 0.0000,
0.2571

129.9827, 0.2998,
0.3311

 0.0000, 0.0000,
0.0000

163.2824, 0.3008,

0.3310

201.8329, 0.3016,
0.3309

■ 18.9221, 0.2883,
0.3329

■ 18.9221, 0.2883,
0.3329

■ 18.2199, 0.2762,
0.3353

■ 19.7363, 0.3013,
0.3307

■ 17.6225, 0.2652,
0.3378

■ 20.6647, 0.3149,
0.3287

■ 17.1253, 0.2556,
0.3404

■ 21.7126, 0.3289,
0.3269

■ 16.7226, 0.2475,
0.3432

■ 22.8839, 0.3430,
0.3252

■ 16.4080, 0.2411,
0.3460

■ 24.1827, 0.3571,
0.3238

■ 16.1745, 0.2366,
0.3488

■ 25.6127, 0.3710,
0.3225

■ 16.0139, 0.2337,
0.3517

■ 27.1775, 0.3845,
0.3214

■ 15.9045, 0.2322,
0.3545

■ 28.8805, 0.3976,
0.3205

■ 15.8878, 0.2319,
0.3549

■ 30.7251, 0.4102,
0.3197

Harmonies

Analogous

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



18.9221, 0.3021, 0.3476



18.9221, 0.2883, 0.3329



18.9221, 0.2811, 0.3176

Triad

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



18.9221, 0.2883, 0.3329



18.9221, 0.3058, 0.3029



18.9221, 0.3443, 0.3514

Complementary

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



18.9221, 0.2883, 0.3329



14.8583, 0.3437, 0.3252

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.



18.9221, 0.3455, 0.3390



18.9221, 0.2883, 0.3329



18.9221, 0.3229, 0.3115

Square

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



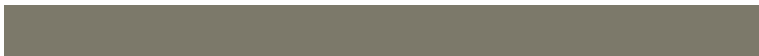
18.9221, 0.2883, 0.3329



18.9221, 0.2909, 0.3007



18.9221, 0.3376, 0.3245



18.9221, 0.3345, 0.3582

Rectangle

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



18.9221, 0.2883, 0.3329



18.9221, 0.2808, 0.3092



18.9221, 0.3376, 0.3245



18.9221, 0.3457, 0.3477

Sweetspot

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



18.9229, 0.2883, 0.3329



35.6987, 0.3043, 0.3302



18.5878, 0.3132, 0.3763



8.1020, 0.3037, 0.3303



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.9229, 0.2883, 0.3329



33.3415, 0.2832, 0.3339



16.7483, 0.2853, 0.3103



4.8807, 0.3004, 0.3309



16.5798, 0.2320, 0.3550



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8583, 0.3437, 0.3252



24.6856, 0.3524, 0.3243



16.7299, 0.3435, 0.3470



4.3498, 0.3266, 0.3272



4.5748, 0.6261, 0.3223



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9221, 0.2883, 0.3329 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 18.9221, 0.2883, 0.3329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

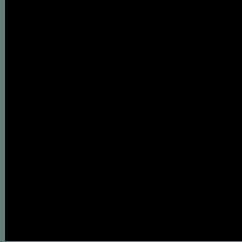
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9221, 0.2883, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 18.9221, 0.2883, 0.3329.



This preview shows how white text looks on a background with the Yxy color 18.9221, 0.2883, 0.3329.

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

18.9221, 0.2883, 0.3329

Protanopia

18.9266, 0.3152, 0.3290

Deuteranopia

18.9491, 0.3198, 0.3144



Tritanopia

18.8024, 0.2803, 0.3095

Trichromacy



Original Color

18.9221, 0.2883, 0.3329

Protanomaly

18.9444, 0.3053, 0.3309

Deuteranomaly

18.8812, 0.3081, 0.3214

Tritanomaly

18.8838, 0.2833, 0.3191

Monochromacy



Original Color

18.9221, 0.2883, 0.3329

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.4756, 0.3029, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9221, 0.2883, 0.3329 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(102, 125, 123)` looks like.

```
.text, #text, p{  
    color:rgb(102, 125, 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(102, 125, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 125, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.9221, 0.2883, 0.3329 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(102, 125, 123) }
```

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

```
.border{ border-color:rgb(102, 125, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 125, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 125, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 125, 123);  
box-shadow:4px 4px 4px 4px rgb(102, 125,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9221, 0.2883, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 125, 123) }
```

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

```
.background{ background-color: rgb(102,  
125, 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