

Converting Colors

$Y_{xy}(18.9278, 0.2771, 0.3390)$

Have a look what the booklet for
Yxy(18.9278, 0.2771, 0.3390)
contains.

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Color

Yxy(18.8330, 0.2771, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	5B7F7B
RGB	91, 127, 123
RGB Percent	36%, 50%, 48%
CMY	0.6430, 0.5020, 0.5177
CMYK	0.28, 0.00, 0.03, 0.50
HSL	173°, 16%, 43%
HSV	173°, 28%, 50%
XYZ	15.4809, 18.8330, 21.5538
YIQ	115.7800, -20.1720, -8.8760

Conversions

Conversions Part 2

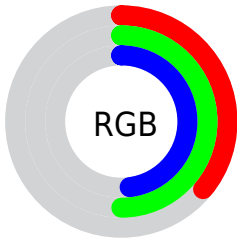
Format	Color
R _Y B	91, 110, 127
Decimal	5996411
CIE Lab	50.49, -13.54, -1.92
CIE LCh	50, 13.677, 188.071
Yxy	18.8330, 0.2771, 0.3371
Android (android.graphics.Color)	4284186491 (0xFF5B7F7B)
YUV	115.7800, 3.5595, -21.7321
Hunter-Lab	43.3970, -12.2688, 0.9307

Details

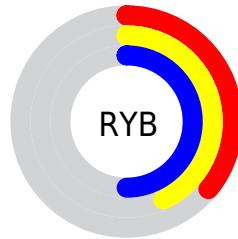
The Yxy color **18.8330, 0.2771, 0.3371** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.8275, 0.3647, 0.3212**, and the grayscale version is **17.3901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4884, 0.2853, 0.3362**, and **6.4568, 0.2626, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **18.2065, 0.2663, 0.3404**, and if you desaturate by 10%, it is **19.5708, 0.2890, 0.3340**.

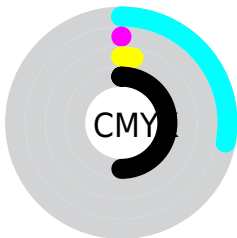
Distribution



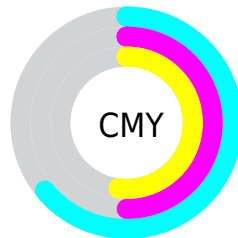
- Red (36%)
- Green (50%)
- Blue (48%)



- Red (36%)
- Yellow (43%)
- Blue (50%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (50%)



- Cyan (64%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8330, 0.2771, 0.3371 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 18.8330, 0.2771, 0.3371 by changing the saturation by 10% instead.

■ 18.8330, 0.2771,
0.3371

■ 18.8330, 0.2771,
0.3371

■ 245.5253, 0.2975,
0.3326

■ 11.5497, 0.2709,
0.3384

■ 41.4517, 0.2852,
0.3353

■ 6.4378, 0.2621,
0.3402

■ 57.5559, 0.2881,
0.3347

■ 3.1131, 0.2487,
0.3428

■ 77.3691, 0.2904,
0.3342

■ 1.1911, 0.2253,
0.3471

■ 101.2759, 0.2923,
0.3338

■ 0.0544, 0.0000,
0.2194

■ 129.6604, 0.2939,
0.3334

■ 0.0000, 0.0000,
0.0000

162.9073, 0.2952,

0.3331

201.4007, 0.2964,
0.3328

■ 18.8330, 0.2771,
0.3371

■ 18.8330, 0.2771,
0.3371

■ 18.2065, 0.2663,
0.3404

■ 19.5708, 0.2890,
0.3340

■ 17.6835, 0.2569,
0.3438

■ 20.4227, 0.3017,
0.3312

■ 17.2588, 0.2490,
0.3474

■ 21.3943, 0.3150,
0.3286

■ 16.9259, 0.2428,
0.3511

■ 22.4900, 0.3286,
0.3262

■ 16.6772, 0.2383,
0.3548

■ 23.7142, 0.3424,
0.3241

■ 16.5043, 0.2357,
0.3585

■ 25.0710, 0.3561,
0.3223

■ 16.3857, 0.2343,
0.3622

■ 26.5642, 0.3696,
0.3206

■ 16.3665, 0.2341,
0.3629

■ 28.1976, 0.3828,
0.3192

■ 29.9747, 0.3955,
0.3180

Harmonies

Analogous

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



18.8330, 0.2985, 0.3598



18.8330, 0.2771, 0.3371



18.8330, 0.2652, 0.3130

Triad

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



18.8330, 0.2771, 0.3371



18.8330, 0.2995, 0.2888



18.8330, 0.3621, 0.3613

Complementary

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



18.8330, 0.2771, 0.3371



12.8275, 0.3647, 0.3212

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.



18.8330, 0.3627, 0.3416



18.8330, 0.2771, 0.3371



18.8330, 0.3257, 0.3009

Square

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



18.8330, 0.2771, 0.3371



18.8330, 0.2777, 0.2864



18.8330, 0.3491, 0.3198



18.8330, 0.3478, 0.3734

Rectangle

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



18.8330, 0.2771, 0.3371



18.8330, 0.2640, 0.2999



18.8330, 0.3491, 0.3198



18.8330, 0.3639, 0.3553

Sweetspot

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



18.8338, 0.2771, 0.3371



36.5946, 0.3019, 0.3311



18.3793, 0.3139, 0.4057



8.5174, 0.3001, 0.3315



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.



18.8338, 0.2771, 0.3371



32.9774, 0.2700, 0.3392



15.6161, 0.2705, 0.3001



4.8789, 0.3007, 0.3314



16.5069, 0.2341, 0.3629



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8275, 0.3647, 0.3212



20.3552, 0.3815, 0.3193



15.3347, 0.3641, 0.3562



4.3515, 0.3262, 0.3266



4.5828, 0.6217, 0.3198



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8330, 0.2771, 0.3371 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 18.8330, 0.2771, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

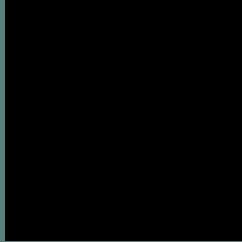
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

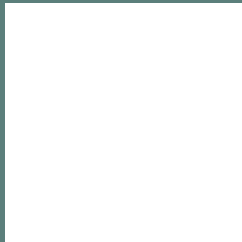
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.8330, 0.2771, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 18.8330, 0.2771, 0.3371.



This preview shows how white text looks on a background with the Yxy color 18.8330, 0.2771, 0.3371.

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

18.8330, 0.2771, 0.3371

Protanopia

18.6392, 0.3177, 0.3309

Deuteranopia

18.6386, 0.3186, 0.3125



Tritanopia

18.7962, 0.2684, 0.3091

Trichromacy



Original Color

18.8330, 0.2771, 0.3371

Protanomaly

18.6546, 0.3017, 0.3329

Deuteranomaly

18.5330, 0.3021, 0.3213

Tritanomaly

18.8876, 0.2713, 0.3189

Monochromacy



Original Color

18.8330, 0.2771, 0.3371

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8907, 0.2980, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8330, 0.2771, 0.3371 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(91, 127, 123) looks like.

```
.text, #text, p{  
  color:rgb(91, 127, 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(91, 127, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 127, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.8330, 0.2771, 0.3371 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(91, 127, 123) }
```

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

```
.border{ border-color:rgb(91, 127, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 127, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 127, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 127, 123);  
box-shadow:4px 4px 4px 4px rgb(91, 127,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8330, 0.2771, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 127, 123) }
```

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

```
.background{ background-color: rgb(91, 127,  
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](#).

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