

Converting Colors

$Y_{xy}(18.9657, 0.2627, 0.3309)$

Have a look what the booklet for
Yxy(18.9657, 0.2627, 0.3309)
contains.

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Color

Yxy(18.9645, 0.2627, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	508180
RGB	80, 129, 128
RGB Percent	31%, 51%, 50%
CMY	0.6862, 0.4941, 0.4980
CMYK	0.38, 0.00, 0.01, 0.49
HSL	179°, 23%, 41%
HSV	179°, 38%, 51%
XYZ	15.0558, 18.9645, 23.2915
YIQ	114.2350, -28.8830, -10.6990

Conversions

Conversions Part 2

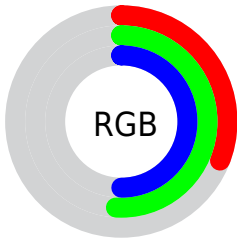
Format	Color
R_{YB}	80, 105, 129
Decimal	5276032
CIE _{Lab}	50.65, -16.73, -4.71
CIE _{LCh}	51, 17.379, 195.712
Yxy	18.9645, 0.2627, 0.3309
Android (android.graphics.Color)	4283466112 (0xFF508180)
YUV	114.2350, 6.7861, -30.0241
Hunter-Lab	43.5482, -14.4971, -1.2272

Details

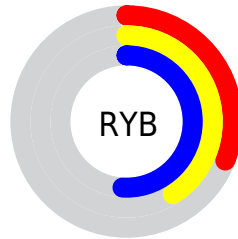
The Yxy color **18.9645, 0.2627, 0.3309** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.0004, 0.3989, 0.3273**, and the grayscale version is **16.8884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6976, 0.2740, 0.3303**, and **6.5630, 0.2422, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **18.4496, 0.2525, 0.3315**, and if you desaturate by 10%, it is **19.5887, 0.2744, 0.3303**.

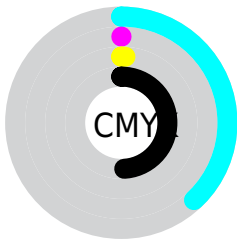
Distribution



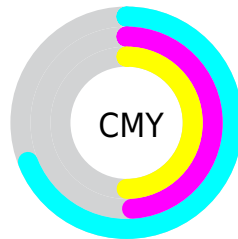
- Red (31%)
- Green (51%)
- Blue (50%)



- Red (31%)
- Yellow (41%)
- Blue (51%)



- Cyan (38%)
- Magenta (0%)
- Yellow (1%)
- Black (49%)




- Cyan (69%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9645, 0.2627, 0.3309 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 18.9645, 0.2627, 0.3309 by changing the saturation by 10% instead.


 18.9645, 0.2627,
0.3309


 18.9645, 0.2627,
0.3309


246.2527, 0.2911,
0.3302


 11.6446, 0.2542,
0.3309


 41.6741, 0.2740,
0.3308


 6.5022, 0.2422,
0.3307


 57.8326, 0.2779,
0.3307


 3.1528, 0.2242,
0.3300

 77.7062, 0.2811,
0.3306

 1.2120, 0.1928,
0.3283

 101.6791, 0.2838,
0.3305

 0.0715, 0.0000,
0.1494

 130.1358, 0.2861,
0.3304

 0.0000, 0.0000,
0.0000

163.4607, 0.2880,

0.3303

202.0382, 0.2896,
0.3303

■ 18.9645, 0.2627,
0.3309

■ 18.9645, 0.2627,
0.3309

■ 18.4496, 0.2525,
0.3315

■ 19.5887, 0.2744,
0.3303

■ 18.0357, 0.2439,
0.3321

■ 20.3257, 0.2873,
0.3298

■ 17.7165, 0.2370,
0.3327

■ 21.1816, 0.3011,
0.3294

■ 17.4846, 0.2320,
0.3333

■ 22.1612, 0.3157,
0.3289

■ 17.3310, 0.2287,
0.3340

■ 23.2694, 0.3307,
0.3285

■ 17.2351, 0.2267,
0.3346

■ 24.5105, 0.3459,
0.3282

■ 17.2169, 0.2263,
0.3347

■ 25.8887, 0.3611,
0.3279

■ 27.4082, 0.3761,
0.3276

■ 29.0727, 0.3907,
0.3274

Harmonies

Analogous

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



18.9645, 0.2868, 0.3618



18.9645, 0.2627, 0.3309



18.9645, 0.2517, 0.3015

Triad

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



18.9645, 0.2627, 0.3309



18.9645, 0.3040, 0.2816



18.9645, 0.3721, 0.3745

Complementary

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



18.9645, 0.2627, 0.3309



11.0004, 0.3989, 0.3273

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.



18.9645, 0.3778, 0.3511



18.9645, 0.2627, 0.3309



18.9645, 0.3373, 0.2991

Square

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



18.9645, 0.2627, 0.3309



18.9645, 0.2745, 0.2751



18.9645, 0.3649, 0.3240



18.9645, 0.3501, 0.3870

Rectangle

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



18.9645, 0.2627, 0.3309



18.9645, 0.2528, 0.2869



18.9645, 0.3649, 0.3240



18.9645, 0.3760, 0.3675

Sweetspot

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



18.9653, 0.2627, 0.3309



37.4044, 0.2965, 0.3295



18.0579, 0.3093, 0.4382



8.4276, 0.2950, 0.3296



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.



18.9653, 0.2627, 0.3309



33.1145, 0.2533, 0.3314



13.6278, 0.2549, 0.2792



4.8854, 0.2996, 0.3294



16.7868, 0.2263, 0.3347



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.0004, 0.3989, 0.3273



16.6004, 0.4312, 0.3269



14.9218, 0.3842, 0.3737



4.3456, 0.3275, 0.3286



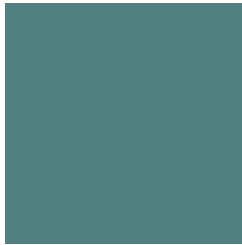
4.5562, 0.6367, 0.3281



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9645, 0.2627, 0.3309 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 18.9645, 0.2627, 0.3309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

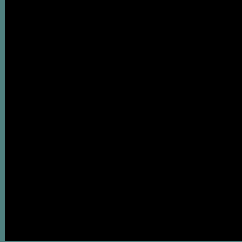
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9645, 0.2627, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 18.9645, 0.2627, 0.3309.



This preview shows how white text looks on a background with the Yxy color 18.9645, 0.2627, 0.3309.

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

18.9645, 0.2627, 0.3309

Protanopia

18.6637, 0.3117, 0.3233

Deuteranopia

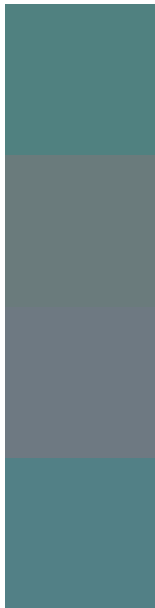
18.8733, 0.3089, 0.3035



Tritanopia

19.1123, 0.2565, 0.3088

Trichromacy



Original Color

18.9645, 0.2627, 0.3309

Protanomaly

18.6853, 0.2916, 0.3270

Deuteranomaly

18.6014, 0.2898, 0.3116

Tritanomaly

18.9534, 0.2590, 0.3167

Monochromacy



Original Color

18.9645, 0.2627, 0.3309

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3503, 0.2921, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9645, 0.2627, 0.3309 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, 129, 128)` looks like.

```
.text, #text, p{  
    color:rgb(80, 129, 128)  
}
```

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, 129, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 129, 128) }
```

Border

The CSS property to change the border of an element to Yxy 18.9645, 0.2627, 0.3309 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, 129, 128) }
```

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

```
.border{ border-color:rgb(80, 129, 128) }
```

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

Here you see how a box with a 4 pixel rgb(80, 129, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 129, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 129, 128);  
box-shadow:4px 4px 4px 4px rgb(80, 129,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9645, 0.2627, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 129, 128) }
```

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

```
.background{ background-color: rgb(80, 129,  
128) }
```

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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