

Converting Colors

$Y_{xy}(19.9680, 0.2628, 0.3301)$

Have a look what the booklet for
Yxy(19.9680, 0.2628, 0.3301)
contains.

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Color

Yxy(19.9351, 0.2627, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	528483
RGB	82, 132, 131
RGB Percent	32%, 52%, 51%
CMY	0.6785, 0.4823, 0.4863
CMYK	0.38, 0.00, 0.01, 0.48
HSL	179°, 23%, 42%
HSV	179°, 38%, 52%
XYZ	15.8264, 19.9351, 24.4836
YIQ	116.9360, -29.4790, -10.9110

Conversions

Conversions Part 2

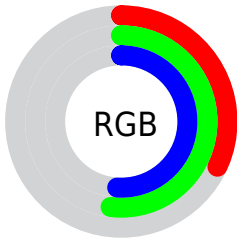
Format	Color
R _Y B	82, 107, 132
Decimal	5407875
CIE Lab	51.76, -17.01, -4.79
CIE LCh	52, 17.670, 195.712
Yxy	19.9351, 0.2627, 0.3309
Android (android.graphics.Color)	4283597955 (0xFF528483)
YUV	116.9360, 6.9336, -30.6389
Hunter-Lab	44.6487, -14.8634, -1.2582

Details

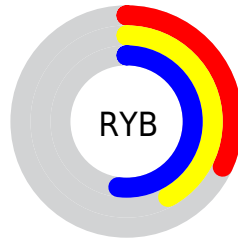
The Yxy color **19.9351, 0.2627, 0.3309** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.5634, 0.3989, 0.3273**, and the grayscale version is **17.7527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2269, 0.2738, 0.3303**, and **6.9351, 0.2420, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **19.3928, 0.2525, 0.3315**, and if you desaturate by 10%, it is **20.5929, 0.2744, 0.3303**.

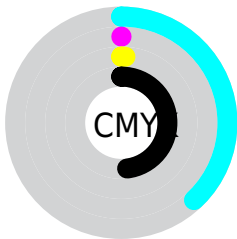
Distribution



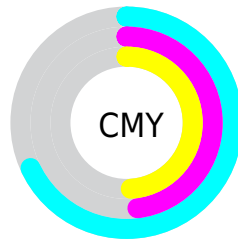
- Red (32%)
- Green (52%)
- Blue (51%)



- Red (32%)
- Yellow (42%)
- Blue (52%)



- Cyan (38%)
- Magenta (0%)
- Yellow (1%)
- Black (48%)





- Cyan (68%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9351, 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 19.9351, 0.2627, 0.3309 by changing the saturation by 10% instead.


 19.9351, 0.2627,
0.3309


 19.9351, 0.2627,
0.3309


251.5636, 0.2909,
0.3302


 12.3479, 0.2543,
0.3309


 43.3083, 0.2738,
0.3308


 6.9811, 0.2427,
0.3307


 59.8632, 0.2777,
0.3307


 3.4503, 0.2253,
0.3301

 80.1760, 0.2809,
0.3306

 1.3711, 0.1968,
0.3280

 104.6311, 0.2836,
0.3305

 0.1953, 0.0000,
0.2630

 133.6131, 0.2858,
0.3304

 0.0000, 0.0000,
0.0000

167.5062, 0.2878,

0.3304

206.6949, 0.2894,
0.3303

■ 19.9351, 0.2627,
0.3309

■ 19.9351, 0.2627,
0.3309

■ 19.3928, 0.2525,
0.3315

■ 20.5929, 0.2744,
0.3303

■ 18.9570, 0.2439,
0.3321

■ 21.3697, 0.2873,
0.3298

■ 18.6213, 0.2370,
0.3327


■ 22.2721, 0.3012,
0.3293


■ 18.3777, 0.2320,
0.3333

■ 23.3053, 0.3158,
0.3289

■ 18.2166, 0.2286,
0.3340

■ 24.4741, 0.3309,
0.3285

 18.1174, 0.2267,
0.3346

 25.7834, 0.3461,
0.3282

 18.0979, 0.2263,
0.3347

 27.2376, 0.3614,
0.3279

 28.8409, 0.3764,
0.3276

 30.5975, 0.3910,
0.3274

Harmonies

Analogous

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



19.9351, 0.2868, 0.3618



19.9351, 0.2627, 0.3309



19.9351, 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.



19.9351, 0.2627, 0.3309



19.9351, 0.3040, 0.2816



19.9351, 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.



19.9351, 0.2627, 0.3309



11.5634, 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.



19.9351, 0.3778, 0.3511



19.9351, 0.2627, 0.3309



19.9351, 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.



19.9351, 0.2627, 0.3309



19.9351, 0.2745, 0.2751



19.9351, 0.3649, 0.3240



19.9351, 0.3501, 0.3870

Rectangle

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



19.9351, 0.2627, 0.3309



19.9351, 0.2528, 0.2869



19.9351, 0.3649, 0.3240



19.9351, 0.3760, 0.3675

Sweetspot

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



19.9359, 0.2627, 0.3309



38.6701, 0.2965, 0.3295



18.9821, 0.3093, 0.4382



8.9606, 0.2949, 0.3296



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.



19.9359, 0.2627, 0.3309



34.3228, 0.2543, 0.3314



14.3252, 0.2549, 0.2792



5.2773, 0.2995, 0.3294



17.5218, 0.2263, 0.3347



0.0608, 0.2254, 0.3315

Inverse Universe

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



11.5634, 0.3989, 0.3273



17.4765, 0.4275, 0.3270



15.6855, 0.3842, 0.3737



4.6901, 0.3276, 0.3286



4.7556, 0.6368, 0.3282



0.0166, 0.6222, 0.3201

Previews

White Background



This preview shows how the Yxy color 19.9351, 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 19.9351, 0.2627, 0.3309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

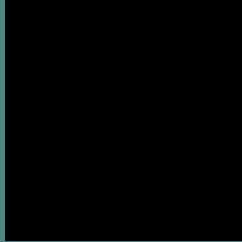
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

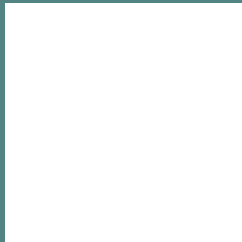
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9351, 0.2627, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 19.9351, 0.2627, 0.3309.



This preview shows how white text looks on a background with the Yxy color 19.9351, 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

19.9351, 0.2627, 0.3309

Protanopia

19.6848, 0.3118, 0.3234

Deuteranopia

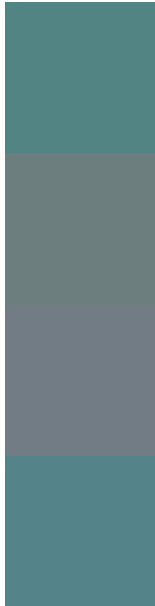
19.6607, 0.3091, 0.3022



Tritanopia

19.8196, 0.2563, 0.3072

Trichromacy



Original Color

19.9351, 0.2627, 0.3309

Protanomaly

19.7052, 0.2920, 0.3270

Deuteranomaly

19.6195, 0.2902, 0.3120

Tritanomaly

19.9236, 0.2591, 0.3169

Monochromacy



Original Color

19.9351, 0.2627, 0.3309

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.2673, 0.2914, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9351, 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(82, 132, 131)` looks like.

```
.text, #text, p{  
  color:rgb(82, 132, 131)  
}
```

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(82, 132, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 132, 131) }
```

Border

The CSS property to change the border of an element to Yxy 19.9351, 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(82, 132, 131) }
```

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

```
.border{ border-color:rgb(82, 132, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 132, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 132, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 132, 131);  
box-shadow:4px 4px 4px 4px rgb(82, 132,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9351, 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(82, 132, 131) }
```

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

```
.background{ background-color: rgb(82, 132,  
131) }
```

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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