

Converting Colors

$Y_{xy}(27.8912, 0.2586, 0.3253)$

Have a look what the booklet for
Yxy(27.8912, 0.2586, 0.3253)
contains.

Yxy(27.8912, 0.2586, 0.3253)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8912, 0.2586, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	5E9A9C
RGB	94, 154, 156
RGB Percent	37%, 60%, 61%
CMY	0.6314, 0.3961, 0.3882
CMYK	0.40, 0.01, 0.00, 0.39
HSL	182°, 25%, 49%
HSV	182°, 40%, 61%
XYZ	22.1723, 27.8912, 35.6764
YIQ	136.2880, -36.4020, -12.0980

Conversions

Conversions Part 2

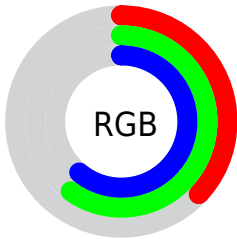
Format	Color
R_{YB}	94, 124, 156
Decimal	6199964
CIE _{Lab}	59.79, -18.89, -7.21
CIE _{LCh}	60, 20.216, 200.887
Yxy	27.8912, 0.2586, 0.3253
Android (android.graphics.Color)	4284390044 (0xFF5E9A9C)
YUV	136.2880, 9.7180, -37.0866
Hunter-Lab	52.8121, -17.4808, -3.0839

Details

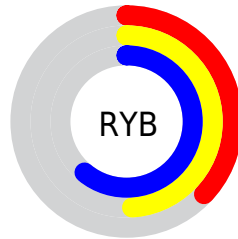
The Yxy color $27.8912, 0.2586, 0.3253$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.2438, 0.4079, 0.3326$, and the grayscale version is $24.7067, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.5500, 0.2702, 0.3276$, and $11.1918, 0.2404, 0.3235$ is the 20% darker color. If you saturate the color by 10%, you get $26.9822, 0.2481, 0.3243$, and if you desaturate by 10%, it is $28.9698, 0.2706, 0.3263$.

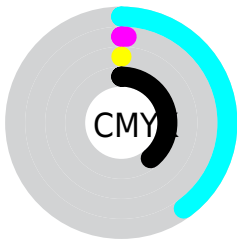
Distribution



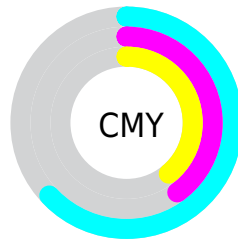
- Red (37%)
- Green (60%)
- Blue (61%)



- Red (37%)
- Yellow (49%)
- Blue (61%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (39%)





- Cyan (63%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8912, 0.2586, 0.3253 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 27.8912, 0.2586, 0.3253 by changing the saturation by 10% instead.


 27.8912, 0.2586,
0.3253


 27.8912, 0.2586,
0.3253


291.9467, 0.2875,
0.3278


 18.2437, 0.2507,
0.3244


 56.3107, 0.2696,
0.3264


 11.1251, 0.2402,
0.3230


 75.8514, 0.2736,
0.3268

 6.1510, 0.2254,
0.3207

 99.4587, 0.2769,
0.3270

 2.9371, 0.2033,
0.3166

 127.5169, 0.2797,
0.3273

 1.0990, 0.1605,
0.3099

160.4104, 0.2821,
0.3274

 0.0000, 0.0000,
0.0000

198.5236, 0.2841,

0.3276

242.2409, 0.2859,
0.3277

■ 27.8912, 0.2586,
0.3253

■ 27.8912, 0.2586,
0.3253

■ 26.9822, 0.2481,
0.3243

■ 28.9698, 0.2706,
0.3263

■ 26.2294, 0.2394,
0.3232

■ 30.2240, 0.2838,
0.3273

■ 25.6227, 0.2324,
0.3221

■ 31.6635, 0.2981,
0.3282

■ 25.1495, 0.2273,
0.3210

■ 33.2962, 0.3131,
0.3290

■ 24.7948, 0.2240,
0.3200

■ 35.1298, 0.3285,
0.3298

■ 24.5236, 0.2220,
0.3190

■ 37.1714, 0.3441,
0.3305

■ 24.5174, 0.2219,
0.3189

■ 39.4277, 0.3597,
0.3311

■ 41.9053, 0.3751,
0.3317

■ 44.6103, 0.3901,
0.3321

Harmonies

Analogous

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



27.8912, 0.2812, 0.3575



27.8912, 0.2586, 0.3253



27.8912, 0.2500, 0.2964

Triad

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



27.8912, 0.2586, 0.3253



27.8912, 0.3096, 0.2830



27.8912, 0.3706, 0.3787

Complementary

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



27.8912, 0.2586, 0.3253



16.2438, 0.4079, 0.3326

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.



27.8912, 0.3797, 0.3561



27.8912, 0.2586, 0.3253



27.8912, 0.3434, 0.3024

Square

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



27.8912, 0.2586, 0.3253



27.8912, 0.2782, 0.2742



27.8912, 0.3697, 0.3286



27.8912, 0.3458, 0.3890

Rectangle

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



27.8912, 0.2586, 0.3253



27.8912, 0.2530, 0.2830



27.8912, 0.3697, 0.3286



27.8912, 0.3756, 0.3721

Sweetspot

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



27.8923, 0.2586, 0.3253



56.8137, 0.2945, 0.3280



26.9894, 0.3064, 0.4452



12.4321, 0.2928, 0.3279



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.8923, 0.2586, 0.3253



49.1161, 0.2489, 0.3243



19.1872, 0.2502, 0.2694



7.4725, 0.2988, 0.3282



20.1989, 0.2220, 0.3190



0.3714, 0.2231, 0.3232

Inverse Universe

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



17.4057, 0.3198, 0.2363



27.3703, 0.3215, 0.2168



22.8089, 0.3881, 0.3816



6.7509, 0.3142, 0.3077



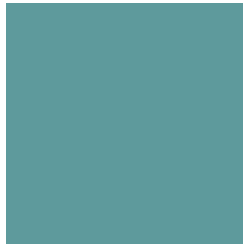
7.6613, 0.3290, 0.1586



0.1380, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 27.8912, 0.2586, 0.3253 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 27.8912, 0.2586, 0.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

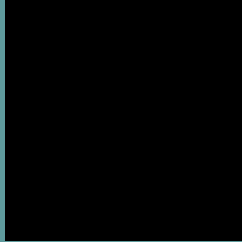
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8912, 0.2586, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 27.8912, 0.2586, 0.3253.

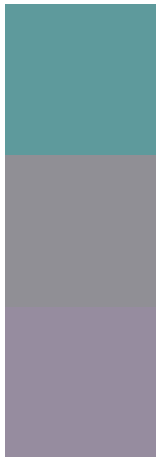


This preview shows how white text looks on a background with the Yxy color 27.8912, 0.2586, 0.3253.

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

27.8912, 0.2586, 0.3253

Protanopia

27.7441, 0.3079, 0.3194

Deuteranopia

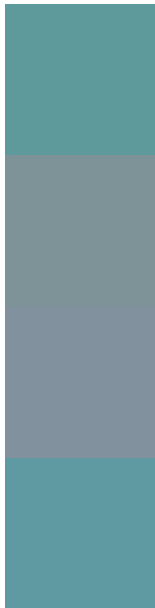
27.7434, 0.3046, 0.2995



Tritanopia

27.9859, 0.2534, 0.3083

Trichromacy



Original Color

27.8912, 0.2586, 0.3253

Protanomaly

27.5701, 0.2873, 0.3206

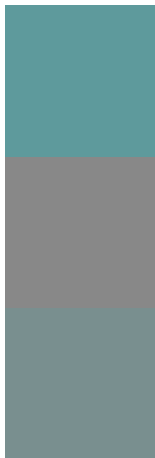
Deuteranomaly

27.4652, 0.2857, 0.3077

Tritanomaly

27.8240, 0.2548, 0.3133

Monochromacy



Original Color

27.8912, 0.2586, 0.3253

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6930, 0.2902, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8912, 0.2586, 0.3253 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(94, 154, 156)` looks like.

```
.text, #text, p{  
    color:rgb(94, 154, 156)  
}
```

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(94, 154, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 154, 156) }
```

Border

The CSS property to change the border of an element to Yxy 27.8912, 0.2586, 0.3253 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(94, 154, 156) }
```

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

```
.border{ border-color:rgb(94, 154, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 154, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 154, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 154, 156);  
box-shadow:4px 4px 4px 4px rgb(94, 154,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8912, 0.2586, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 154, 156) }
```

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

```
.background{ background-color: rgb(94, 154,  
156) }
```

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