

Converting Colors

$Yxy(25.5015, 0.2676, 0.3639)$

Have a look what the booklet for
Yxy(25.5015, 0.2676, 0.3639)
contains.

Yxy(25.6382, 0.2677, 0.3651)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.6382, 0.2677, 0.3651)$

Conversions

Conversions Part 1

Format	Color
Hex	539784
RGB	83, 151, 132
RGB Percent	33%, 59%, 52%
CMY	0.6745, 0.4078, 0.4824
CMYK	0.45, 0.00, 0.13, 0.41
HSL	163°, 29%, 46%
HSV	163°, 45%, 59%
XYZ	18.7985, 25.6382, 25.7857
YIQ	128.5020, -34.4290, -20.3250

Conversions

Conversions Part 2

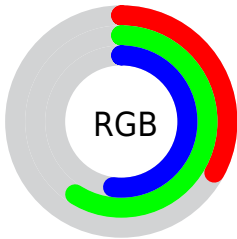
Format	Color
RYB	83, 123, 151
Decimal	5478276
CIELab	57.69, -26.32, 3.32
CIElCh	58, 26.530, 172.817
Yxy	25.6382, 0.2677, 0.3651
Android (android.graphics.Color)	4283668356 (0xFF539784)
YUV	128.5020, 1.7245, -39.9053
Hunter-Lab	50.6342, -22.3396, 5.2502

Details

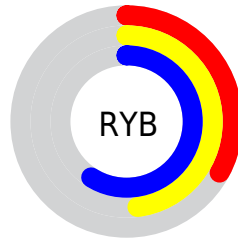
The Yxy color **25.6382, 0.2677, 0.3651** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.7262, 0.3948, 0.2968**, and the grayscale version is **21.7734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8796, 0.2773, 0.3578**, and **9.9858, 0.2504, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **24.9123, 0.2606, 0.3747**, and if you desaturate by 10%, it is **26.5204, 0.2762, 0.3560**.

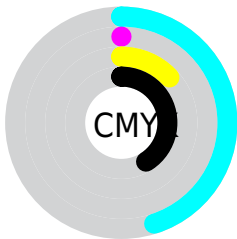
Distribution



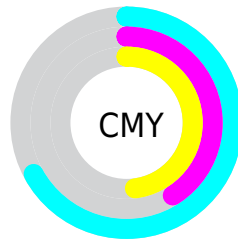
- Red (33%)
- Green (59%)
- Blue (52%)



- Red (33%)
- Yellow (48%)
- Blue (59%)



- Cyan (45%)
- Magenta (0%)
- Yellow (13%)
- Black (41%)





- Cyan (67%)
- Magenta (41%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6382, 0.2677, 0.3651 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 25.6382, 0.2677, 0.3651 by changing the saturation by 10% instead.


 25.6382, 0.2677,
0.3651


 25.6382, 0.2677,
0.3651


281.0015, 0.2925,
0.3450


 16.5532, 0.2606,
0.3710


 52.6907, 0.2774,
0.3572


 9.9164, 0.2509,
0.3791


 71.4270, 0.2808,
0.3544


 5.3436, 0.2367,
0.3912

 94.1491, 0.2836,
0.3521

 2.4502, 0.2143,
0.4108

 121.2415, 0.2860,
0.3502

 0.8516, 0.0974,
0.4969

 153.0885, 0.2880,
0.3486

 0.0000, 0.0000,
0.0000

190.0746, 0.2897,

0.3472

232.5841, 0.2912,
0.3460

■ 25.6382, 0.2677,
0.3651

■ 25.6382, 0.2677,
0.3651

■ 24.9123, 0.2606,
0.3747

■ 26.5204, 0.2762,
0.3560

■ 24.3298, 0.2552,
0.3848

■ 27.5649, 0.2857,
0.3474

■ 23.8806, 0.2515,
0.3950


■ 28.7809, 0.2961,
0.3395


■ 23.5521, 0.2498,
0.4054

■ 30.1761, 0.3071,
0.3324

■ 23.3280, 0.2499,
0.4157

■ 31.7579, 0.3183,
0.3259

 23.2339, 0.2502,
0.4208

 33.5330, 0.3297,
0.3200

 35.5078, 0.3411,
0.3149

 37.6887, 0.3522,
0.3103

 40.0814, 0.3631,
0.3063

Harmonies

Analogous

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



25.6382, 0.3093, 0.4001



25.6382, 0.2677, 0.3651



25.6382, 0.2393, 0.3202

Triad

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



25.6382, 0.2677, 0.3651



25.6382, 0.2687, 0.2569



25.6382, 0.4032, 0.3660

Complementary

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



25.6382, 0.2677, 0.3651



13.7262, 0.3948, 0.2968

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.



25.6382, 0.3915, 0.3298



25.6382, 0.2677, 0.3651



25.6382, 0.3109, 0.2697

Square

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



25.6382, 0.2677, 0.3651



25.6382, 0.2401, 0.2607



25.6382, 0.3567, 0.2956



25.6382, 0.3886, 0.3963

Rectangle

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



25.6382, 0.2677, 0.3651



25.6382, 0.2307, 0.2935



25.6382, 0.3567, 0.2956



25.6382, 0.4023, 0.3541

Sweetspot

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



25.6392, 0.2677, 0.3651



51.7172, 0.2969, 0.3390



25.5994, 0.3244, 0.4579



11.6487, 0.2948, 0.3405



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.6392, 0.2677, 0.3651



44.6071, 0.2606, 0.3748



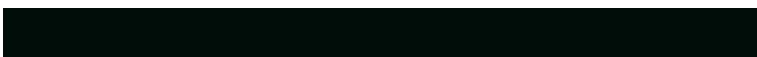
21.7581, 0.2490, 0.3010



6.9971, 0.3024, 0.3353



19.7698, 0.2500, 0.4201



0.3016, 0.2375, 0.3749

Inverse Universe

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



13.7262, 0.3948, 0.2968



20.5044, 0.4241, 0.2906



15.8904, 0.4165, 0.3545



6.2497, 0.3242, 0.3228



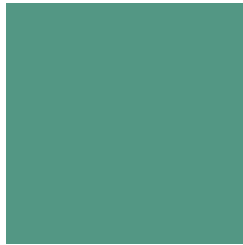
5.7450, 0.5779, 0.2957



0.0915, 0.4739, 0.2384

Previews

White Background



This preview shows how the Yxy color 25.6382, 0.2677, 0.3651 looks on a white background.

Color Contrast Check

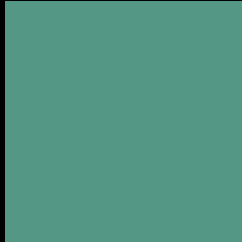
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6382, 0.2677, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

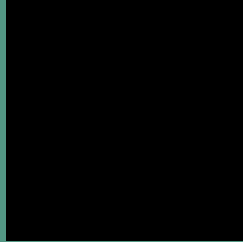
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6382, 0.2677, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 25.6382, 0.2677, 0.3651.

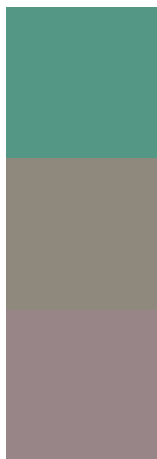


This preview shows how white text looks on a background with the Yxy color 25.6382, 0.2677, 0.3651.

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

25.6382, 0.2677, 0.3651

Protanopia

25.2116, 0.3321, 0.3492

Deuteranopia

25.2280, 0.3313, 0.3242



Tritanopia

25.5443, 0.2517, 0.3075

Trichromacy



Original Color

25.6382, 0.2677, 0.3651

Protanomaly

24.9695, 0.3042, 0.3540

Deuteranomaly

25.0175, 0.3038, 0.3377

Tritanomaly

25.3760, 0.2570, 0.3270

Monochromacy



Original Color

25.6382, 0.2677, 0.3651

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.9478, 0.2929, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6382, 0.2677, 0.3651 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(83, 151, 132)` looks like.

```
.text, #text, p{  
    color:rgb(83, 151, 132)  
}
```

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(83, 151, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 151, 132) }
```

Border

The CSS property to change the border of an element to Yxy 25.6382, 0.2677, 0.3651 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(83, 151, 132) }
```

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

```
.border{ border-color:rgb(83, 151, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 151, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 151, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 151, 132);  
box-shadow:4px 4px 4px 4px rgb(83, 151,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6382, 0.2677, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 151, 132) }
```

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

```
.background{ background-color: rgb(83, 151,  
132) }
```

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