

Converting Colors

$Yxy(25.3348, 0.2561, 0.3582)$

Have a look what the booklet for
Yxy(25.3348, 0.2561, 0.3582)
contains.

Yxy(25.2129, 0.2560, 0.3578)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(25.2129, 0.2560, 0.3578)$

Conversions

Conversions Part 1

Format	Color
Hex	469788
RGB	70, 151, 136
RGB Percent	27%, 59%, 53%
CMY	0.7253, 0.4079, 0.4666
CMYK	0.54, 0.00, 0.10, 0.41
HSL	169°, 37%, 43%
HSV	169°, 54%, 59%
XYZ	18.0394, 25.2129, 27.2141
YIQ	125.0710, -43.4610, -21.8370

Conversions

Conversions Part 2

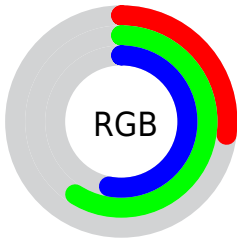
Format	Color
RYB	70, 115, 151
Decimal	4626312
CIELab	57.28, -28.53, 0.37
CIElCh	57, 28.533, 179.263
Yxy	25.2129, 0.2560, 0.3578
Android (android.graphics.Color)	4282816392 (0xFF469788)
YUV	125.0710, 5.3880, -48.2973
Hunter-Lab	50.2124, -23.7436, 3.0147

Details

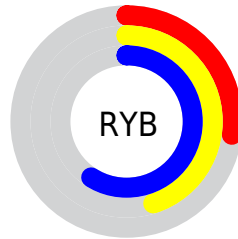
The Yxy color **25.2129, 0.2560, 0.3578** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.6210, 0.4346, 0.3043**, and the grayscale version is **20.5302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1767, 0.2683, 0.3525**, and **9.7862, 0.2364, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **24.6424, 0.2496, 0.3642**, and if you desaturate by 10%, it is **25.9287, 0.2641, 0.3517**.

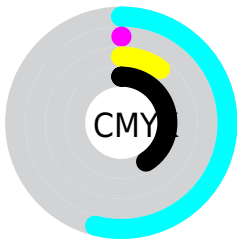
Distribution



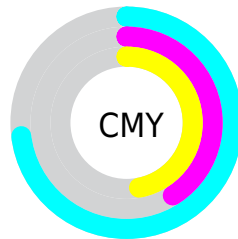
- Red (27%)
- Green (59%)
- Blue (53%)



- Red (27%)
- Yellow (45%)
- Blue (59%)



- Cyan (54%)
- Magenta (0%)
- Yellow (10%)
- Black (41%)





- Cyan (73%)
- Magenta (41%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2129, 0.2560, 0.3578 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 25.2129, 0.2560, 0.3578 by changing the saturation by 10% instead.


 25.2129, 0.2560,
0.3578


 25.2129, 0.2560,
0.3578


278.8965, 0.2871,
0.3420


 16.2357, 0.2472,
0.3623


 52.0024, 0.2680,
0.3517

 9.6911, 0.2352,
0.3684


 70.5835, 0.2723,
0.3495

 5.1946, 0.2180,
0.3773

 93.1348, 0.2759,
0.3477

 2.3619, 0.1911,
0.3911

 120.0405, 0.2788,
0.3462

 0.8062, 0.0404,
0.4665

 151.6852, 0.2814,
0.3449

 0.0000, 0.0000,
0.0000

188.4532, 0.2835,

0.3438

230.7288, 0.2854,
0.3428

■ 25.2129, 0.2560,
0.3578

■ 25.2129, 0.2560,
0.3578

■ 24.6424, 0.2496,
0.3642

■ 25.9287, 0.2641,
0.3517

■ 24.2034, 0.2449,
0.3707

■ 26.7965, 0.2736,
0.3458

■ 23.8845, 0.2422,
0.3772

■ 27.8261, 0.2843,
0.3403

■ 23.6709, 0.2412,
0.3838

■ 29.0257, 0.2959,
0.3352

■ 23.5636, 0.2411,
0.3879

■ 30.4028, 0.3082,
0.3306

■ 31.9647, 0.3208,
0.3264

■ 33.7181, 0.3337,
0.3226

■ 35.6693, 0.3465,
0.3192

■ 37.8244, 0.3591,
0.3162

Harmonies

Analogous

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



25.2129, 0.2984, 0.4001



25.2129, 0.2560, 0.3578



25.2129, 0.2298, 0.3092

Triad

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



25.2129, 0.2560, 0.3578



25.2129, 0.2740, 0.2532



25.2129, 0.4094, 0.3762

Complementary

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



25.2129, 0.2560, 0.3578



11.6210, 0.4346, 0.3043

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.



25.2129, 0.4032, 0.3378



25.2129, 0.2560, 0.3578



25.2129, 0.3214, 0.2702

Square

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



25.2129, 0.2560, 0.3578



25.2129, 0.2396, 0.2530



25.2129, 0.3699, 0.3003



25.2129, 0.3879, 0.4067

Rectangle

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



25.2129, 0.2560, 0.3578



25.2129, 0.2237, 0.2824



25.2129, 0.3699, 0.3003



25.2129, 0.4106, 0.3638

Sweetspot

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



25.2139, 0.2560, 0.3578



51.3714, 0.2927, 0.3366



24.5644, 0.3188, 0.4884



11.5826, 0.2905, 0.3375



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.



25.2139, 0.2560, 0.3578



43.9866, 0.2487, 0.3652



18.6421, 0.2361, 0.2809



7.0069, 0.3012, 0.3331



20.0510, 0.2410, 0.3875



0.3043, 0.2329, 0.3585

Inverse Universe

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



11.6210, 0.4346, 0.3043



17.0565, 0.4789, 0.3013



15.0859, 0.4392, 0.3701



6.2404, 0.3256, 0.3249



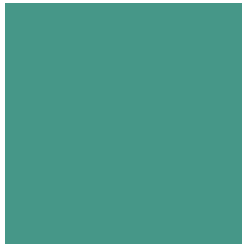
5.6716, 0.6067, 0.3116



0.0888, 0.5158, 0.2615

Previews

White Background



This preview shows how the Yxy color 25.2129, 0.2560, 0.3578 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 25.2129, 0.2560, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

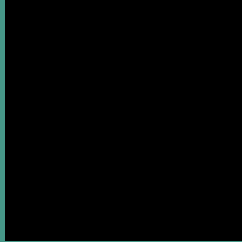
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2129, 0.2560, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 25.2129, 0.2560, 0.3578.

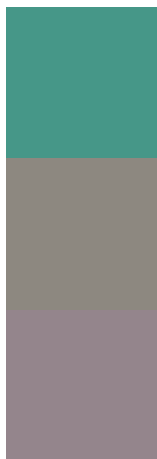


This preview shows how white text looks on a background with the Yxy color 25.2129, 0.2560, 0.3578.

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

25.2129, 0.2560, 0.3578

Protanopia

24.8296, 0.3268, 0.3426

Deuteranopia

24.9644, 0.3223, 0.3176



Tritanopia

25.3376, 0.2433, 0.3071

Trichromacy



Original Color

25.2129, 0.2560, 0.3578

Protanomaly

24.3333, 0.2952, 0.3471

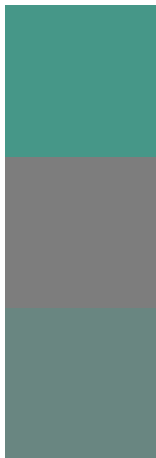
Deuteranomaly

24.6133, 0.2927, 0.3307

Tritanomaly

25.2251, 0.2479, 0.3251

Monochromacy



Original Color

25.2129, 0.2560, 0.3578

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.6384, 0.2864, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2129, 0.2560, 0.3578 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(70, 151, 136)` looks like.

```
.text, #text, p{  
  color:rgb(70, 151, 136)  
}
```

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(70, 151, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 151, 136) }
```

Border

The CSS property to change the border of an element to Yxy 25.2129, 0.2560, 0.3578 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(70, 151, 136) }
```

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

```
.border{ border-color:rgb(70, 151, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 151, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 151, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 151, 136);  
box-shadow:4px 4px 4px 4px rgb(70, 151,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2129, 0.2560, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 151, 136) }
```

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

```
.background{ background-color: rgb(70, 151,  
136) }
```

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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