

Converting Colors

$Y_{xy}(25.3328, 0.2527, 0.3707)$

Have a look what the booklet for
Yxy(25.3328, 0.2527, 0.3707)
contains.

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Color

$Y_{xy}(25.3479, 0.2527, 0.3703)$

Conversions

Conversions Part 1

Format	Color
Hex	3A9984
RGB	58, 153, 132
RGB Percent	23%, 60%, 52%
CMY	0.7728, 0.4000, 0.4824
CMYK	0.62, 0.00, 0.14, 0.40
HSL	167°, 45%, 41%
HSV	167°, 62%, 60%
XYZ	17.2979, 25.3479, 25.8065
YIQ	122.2010, -49.8790, -26.6710

Conversions

Conversions Part 2

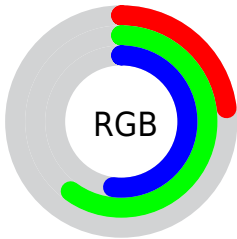
Format	Color
RYB	58, 111, 153
Decimal	3840388
CIELab	57.41, -33.09, 2.80
CIElCh	57, 33.204, 175.158
Yxy	25.3479, 0.2527, 0.3703
Android (android.graphics.Color)	4282030468 (0xFF3A9984)
YUV	122.2010, 4.8309, -56.3043
Hunter-Lab	50.3467, -26.7784, 4.8520

Details

The Yxy color **25.3479, 0.2527, 0.3703** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.3579, 0.4593, 0.2963**, and the grayscale version is **19.5230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2594, 0.2654, 0.3614**, and **9.9319, 0.2398, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **24.8658, 0.2481, 0.3782**, and if you desaturate by 10%, it is **25.9712, 0.2591, 0.3626**.

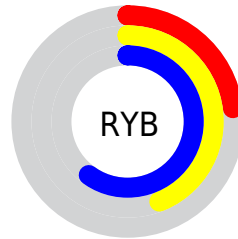
Distribution



Red (23%)

Green (60%)

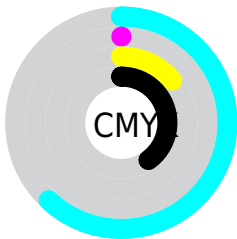
Blue (52%)



Red (23%)

Yellow (44%)

Blue (60%)

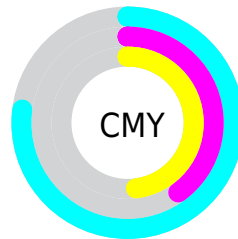


Cyan (62%)

Magenta (0%)

Yellow (14%)

Black (40%)



Cyan (77%)


Magenta (40%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3479, 0.2527, 0.3703 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 25.3479, 0.2527, 0.3703 by changing the saturation by 10% instead.


 25.3479, 0.2527,
0.3703


 25.3479, 0.2527,
0.3703

279.5661, 0.2857,
0.3473


 16.3364, 0.2433,
0.3770


 52.2211, 0.2655,
0.3613

 9.7625, 0.2305,
0.3862


 70.8515, 0.2701,
0.3581


 5.2418, 0.2120,
0.3998

 93.4572, 0.2738,
0.3555

 2.3898, 0.1831,
0.4216

 120.4223, 0.2770,
0.3533

 0.8206, 0.0000,
0.5405

 152.1314, 0.2797,
0.3515

 0.0000, 0.0000,
0.0000

188.9688, 0.2820,

0.3499

231.3189, 0.2840,
0.3485

■ 25.3479, 0.2527,
0.3703

■ 25.3479, 0.2527,
0.3703

■ 24.8658, 0.2481,
0.3782

■ 25.9712, 0.2591,
0.3626

■ 24.5094, 0.2453,
0.3862

■ 26.7438, 0.2671,
0.3552

■ 24.2649, 0.2444,
0.3941

■ 27.6765, 0.2765,
0.3482

■ 24.1214, 0.2446,
0.4004

■ 28.7784, 0.2870,
0.3417

■ 30.0577, 0.2983,
0.3356

■ 31.5223, 0.3101,
0.3301

■ 33.1795, 0.3223,
0.3251

■ 35.0362, 0.3346,
0.3207

■ 37.0990, 0.3469,
0.3167

Harmonies

Analogous

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



25.3479, 0.3030, 0.4176



25.3479, 0.2527, 0.3703



25.3479, 0.2202, 0.3125

Triad

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



25.3479, 0.2527, 0.3703



25.3479, 0.2613, 0.2412



25.3479, 0.4258, 0.3762

Complementary

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



25.3479, 0.2527, 0.3703



10.3579, 0.4593, 0.2963

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.



25.3479, 0.4144, 0.3321



25.3479, 0.2527, 0.3703



25.3479, 0.3144, 0.2582

Square

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



25.3479, 0.2527, 0.3703



25.3479, 0.2251, 0.2433



25.3479, 0.3720, 0.2904



25.3479, 0.4042, 0.4141

Rectangle

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



25.3479, 0.2527, 0.3703



25.3479, 0.2113, 0.2800



25.3479, 0.3720, 0.2904



25.3479, 0.4259, 0.3617

Sweetspot

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



25.3489, 0.2527, 0.3703



52.1308, 0.2900, 0.3399



24.8013, 0.3208, 0.5141



11.3846, 0.2871, 0.3416



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.



25.3489, 0.2527, 0.3703



44.2221, 0.2466, 0.3817



18.5476, 0.2276, 0.2783



7.0032, 0.3017, 0.3340



19.9386, 0.2444, 0.3998



0.3033, 0.2346, 0.3646

Inverse Universe

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



10.3579, 0.4593, 0.2963



15.0062, 0.5153, 0.2951



13.3101, 0.4728, 0.3698



6.2439, 0.3250, 0.3241



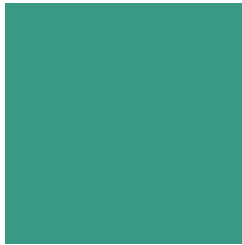
5.6962, 0.5966, 0.3060



0.0899, 0.4986, 0.2520

Previews

White Background



This preview shows how the Yxy color 25.3479, 0.2527, 0.3703 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 25.3479, 0.2527, 0.3703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

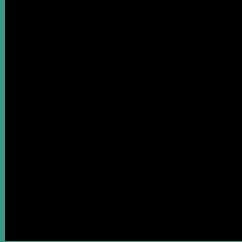
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3479, 0.2527, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 25.3479, 0.2527, 0.3703.

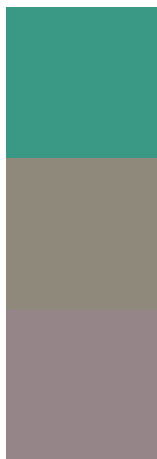


This preview shows how white text looks on a background with the Yxy color 25.3479, 0.2527, 0.3703.

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

25.3479, 0.2527, 0.3703

Protanopia

25.1610, 0.3343, 0.3527

Deuteranopia

25.0367, 0.3290, 0.3242



Tritanopia

25.3333, 0.2379, 0.3069

Trichromacy



Original Color

25.3479, 0.2527, 0.3703

Protanomaly

24.5960, 0.2969, 0.3602

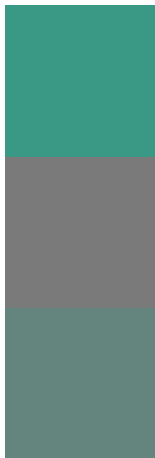
Deuteranomaly

24.2873, 0.2934, 0.3379

Tritanomaly

25.1385, 0.2432, 0.3288

Monochromacy



Original Color

25.3479, 0.2527, 0.3703

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.9341, 0.2831, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3479, 0.2527, 0.3703 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(58, 153, 132)` looks like.

```
.text, #text, p{  
  color:rgb(58, 153, 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(58, 153, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 153, 132) }
```

Border

The CSS property to change the border of an element to Yxy 25.3479, 0.2527, 0.3703 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(58, 153, 132) }
```

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

```
.border{ border-color:rgb(58, 153, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 153, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 153, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 153, 132);  
box-shadow:4px 4px 4px 4px rgb(58, 153,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3479, 0.2527, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 153, 132) }
```

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

```
.background{ background-color: rgb(58, 153,  
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](#).

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