

Converting Colors

$Y_{xy}(27.4654, 0.2643, 0.3687)$

Have a look what the booklet for
Yxy(27.4654, 0.2643, 0.3687)
contains.

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Color

$Y_{xy}(27.5687, 0.2649, 0.3700)$

Conversions

Conversions Part 1

Format	Color
Hex	509D87
RGB	80, 157, 135
RGB Percent	31%, 62%, 53%
CMY	0.6863, 0.3843, 0.4706
CMYK	0.49, 0.00, 0.14, 0.38
HSL	163°, 32%, 46%
HSV	163°, 49%, 62%
XYZ	19.7377, 27.5687, 27.2036
YIQ	131.4690, -38.8300, -23.1660

Conversions

Conversions Part 2

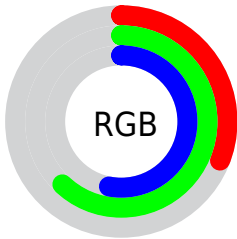
Format	Color
R_{YB}	80, 125, 157
Decimal	5283207
CIE _{Lab}	59.50, -29.33, 4.20
CIE _{LCh}	59, 29.629, 171.847
Yxy	27.5687, 0.2649, 0.3700
Android (android.graphics.Color)	4283473287 (0xFF509D87)
YUV	131.4690, 1.7408, -45.1383
Hunter-Lab	52.5059, -24.7847, 6.0357

Details

The Yxy color **27.5687, 0.2649, 0.3700** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8633, 0.4056, 0.2933**, and the grayscale version is **22.8772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7861, 0.2750, 0.3614**, and **10.9185, 0.2478, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **26.8408, 0.2585, 0.3801**, and if you desaturate by 10%, it is **28.4638, 0.2728, 0.3604**.

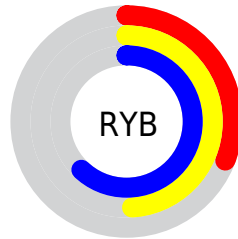
Distribution



Red (31%)

Green (62%)

Blue (53%)



Red (31%)

Yellow (49%)

Blue (62%)

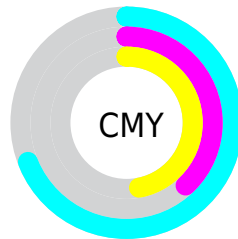


Cyan (49%)

Magenta (0%)

Yellow (14%)

Black (38%)



Cyan (69%)


Magenta (38%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5687, 0.2649, 0.3700 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 27.5687, 0.2649, 0.3700 by changing the saturation by 10% instead.


 27.5687, 0.2649,
0.3700


 27.5687, 0.2649,
0.3700


290.4002, 0.2910,
0.3473

 18.0008, 0.2575,
0.3765


 55.7951, 0.2750,
0.3611

 10.9506, 0.2475,
0.3856


 75.2224, 0.2786,
0.3580

 6.0336, 0.2331,
0.3988

 98.7049, 0.2816,
0.3554

 2.8655, 0.2108,
0.4199

 126.6271, 0.2841,
0.3533

 1.0619, 0.1290,
0.4835

 159.3734, 0.2862,
0.3514

 0.0000, 0.0000,
0.0000

197.3280, 0.2880,

0.3499

240.8755, 0.2896,
0.3485

■ 27.5687, 0.2649,
0.3700

■ 27.5687, 0.2649,
0.3700

■ 26.8408, 0.2585,
0.3801

■ 28.4638, 0.2728,
0.3604

■ 26.2654, 0.2538,
0.3905

■ 29.5331, 0.2819,
0.3514

■ 25.8309, 0.2510,
0.4011

■ 30.7871, 0.2919,
0.3430

■ 25.5222, 0.2502,
0.4117


■ 32.2345, 0.3027,
0.3353


■ 25.3078, 0.2508,
0.4223

■ 33.8834, 0.3138,
0.3284

 25.2887, 0.2509,
0.4233

 35.7417, 0.3251,
0.3221

 37.8165, 0.3364,
0.3166

 40.1148, 0.3476,
0.3117

 42.6433, 0.3585,
0.3074

Harmonies

Analogous

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



27.5687, 0.3102, 0.4079



27.5687, 0.2649, 0.3700



27.5687, 0.2338, 0.3206

Triad

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



27.5687, 0.2649, 0.3700



27.5687, 0.2636, 0.2509



27.5687, 0.4114, 0.3673

Complementary

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



27.5687, 0.2649, 0.3700



13.8633, 0.4056, 0.2933

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.



27.5687, 0.3979, 0.3282



27.5687, 0.2649, 0.3700



27.5687, 0.3090, 0.2642

Square

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



27.5687, 0.2649, 0.3700



27.5687, 0.2334, 0.2553



27.5687, 0.3591, 0.2916



27.5687, 0.3961, 0.4010

Rectangle

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



27.5687, 0.2649, 0.3700



27.5687, 0.2242, 0.2912



27.5687, 0.3591, 0.2916



27.5687, 0.4102, 0.3544

Sweetspot

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



27.5698, 0.2649, 0.3700



56.0675, 0.2959, 0.3400



27.5836, 0.3261, 0.4707



12.2295, 0.2938, 0.3415



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.



27.5698, 0.2649, 0.3700



47.9418, 0.2579, 0.3812



23.3670, 0.2444, 0.3004



7.4771, 0.3024, 0.3355



20.5444, 0.2507, 0.4225



0.3742, 0.2390, 0.3804

Inverse Universe

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



13.8633, 0.4056, 0.2933



20.4308, 0.4399, 0.2870



16.0028, 0.4316, 0.3546



6.6758, 0.3241, 0.3226



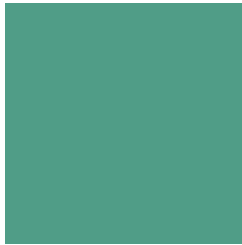
5.9805, 0.5762, 0.2948



0.1137, 0.4754, 0.2393

Previews

White Background



This preview shows how the Yxy color 27.5687, 0.2649, 0.3700 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 27.5687, 0.2649, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

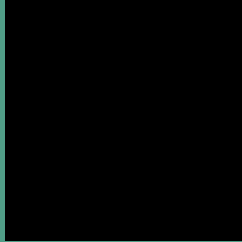
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5687, 0.2649, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 27.5687, 0.2649, 0.3700.

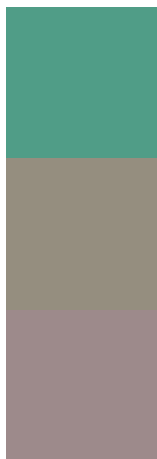


This preview shows how white text looks on a background with the Yxy color 27.5687, 0.2649, 0.3700.

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

27.5687, 0.2649, 0.3700

Protanopia

27.2679, 0.3357, 0.3535

Deuteranopia

27.2091, 0.3328, 0.3275



Tritanopia

27.6229, 0.2487, 0.3080

Trichromacy



Original Color

27.5687, 0.2649, 0.3700

Protanomaly

26.7642, 0.3052, 0.3587

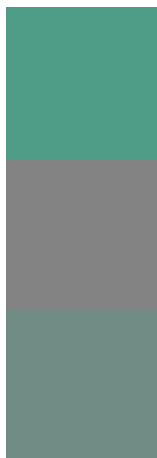
Deuteranomaly

26.7529, 0.3028, 0.3409

Tritanomaly

27.4227, 0.2545, 0.3288

Monochromacy



Original Color

27.5687, 0.2649, 0.3700

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.8669, 0.2912, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5687, 0.2649, 0.3700 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(80, 157, 135)` looks like.

```
.text, #text, p{  
  color:rgb(80, 157, 135)  
}
```

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(80, 157, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 157, 135) }
```

Border

The CSS property to change the border of an element to Yxy 27.5687, 0.2649, 0.3700 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(80, 157, 135) }
```

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

```
.border{ border-color:rgb(80, 157, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 157, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 157, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 157, 135);  
box-shadow:4px 4px 4px 4px rgb(80, 157,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5687, 0.2649, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 157, 135) }
```

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

```
.background{ background-color: rgb(80, 157,  
135) }
```

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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