

Converting Colors

$Yxy(28.5032, 0.2669, 0.3604)$

Have a look what the booklet for
Yxy(28.5032, 0.2669, 0.3604)
contains.

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Color

$Y_{xy}(28.5007, 0.2670, 0.3597)$

Conversions

Conversions Part 1

Format	Color
Hex	599E8D
RGB	89, 158, 141
RGB Percent	35%, 62%, 55%
CMY	0.6508, 0.3804, 0.4471
CMYK	0.44, 0.00, 0.11, 0.38
HSL	165°, 28%, 48%
HSV	165°, 44%, 62%
XYZ	21.1556, 28.5007, 29.5783
YIQ	135.4310, -35.6670, -19.9150

Conversions

Conversions Part 2

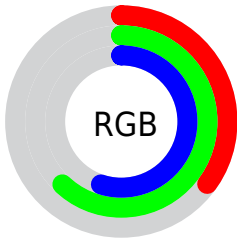
Format	Color
R_{YB}	89, 128, 158
Decimal	5873293
CIE _{Lab}	60.34, -26.03, 2.09
CIE _{LCh}	60, 26.112, 175.412
Yxy	28.5007, 0.2670, 0.3597
Android (android.graphics.Color)	4284063373 (0xFF599E8D)
YUV	135.4310, 2.7455, -40.7200
Hunter-Lab	53.3860, -22.6902, 4.5209

Details

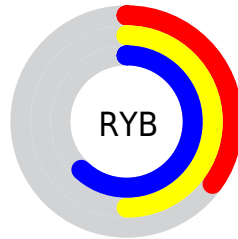
The Yxy color **28.5007, 0.2670, 0.3597** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4613, 0.3953, 0.3014**, and the grayscale version is **24.3996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3683, 0.2765, 0.3527**, and **11.4207, 0.2507, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **27.6879, 0.2594, 0.3681**, and if you desaturate by 10%, it is **29.4876, 0.2760, 0.3517**.

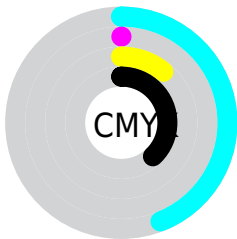
Distribution



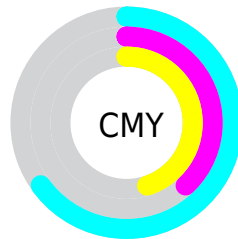
- Red (35%)
- Green (62%)
- Blue (55%)



- Red (35%)
- Yellow (50%)
- Blue (62%)



- Cyan (44%)
- Magenta (0%)
- Yellow (11%)
- Black (38%)



- Cyan (65%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5007, 0.2670, 0.3597 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 28.5007, 0.2670, 0.3597 by changing the saturation by 10% instead.


 28.5007, 0.2670,
0.3597

 28.5007, 0.2670,
0.3597


294.8518, 0.2917,
0.3429

 18.7034, 0.2601,
0.3644


 57.2828, 0.2765,
0.3532


 11.4562, 0.2509,
0.3708


 77.0365, 0.2799,
0.3509

 6.3746, 0.2376,
0.3801


 100.8778, 0.2827,
0.3490

 3.0741, 0.2174,
0.3946

 129.1910, 0.2851,
0.3474

 1.1706, 0.1657,
0.4288

162.3607, 0.2871,
0.3461

 0.0375, 0.0000,
1.0000

200.7711, 0.2889,

 0.0000, 0.0000,

0.3449

0.0000

244.8066, 0.2904,
0.3438

■ 28.5007, 0.2670,
0.3597

■ 28.5007, 0.2670,
0.3597

■ 27.6879, 0.2594,
0.3681

■ 29.4876, 0.2760,
0.3517

■ 27.0350, 0.2535,
0.3769

■ 30.6552, 0.2860,
0.3443

■ 26.5309, 0.2494,
0.3858

■ 32.0137, 0.2969,
0.3374

■ 26.1617, 0.2472,
0.3949

■ 33.5717, 0.3084,
0.3311

■ 25.9110, 0.2468,
0.4039

■ 35.3371, 0.3202,
0.3255

■ 25.7859, 0.2471,
0.4096

■ 37.3175, 0.3322,
0.3204

■ 39.5202, 0.3441,
0.3159

■ 41.9518, 0.3557,
0.3119

■ 44.6191, 0.3671,
0.3085

Harmonies

Analogous

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



28.5007, 0.3059, 0.3942



28.5007, 0.2670, 0.3597



28.5007, 0.2413, 0.3173

Triad

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



28.5007, 0.2670, 0.3597



28.5007, 0.2739, 0.2607



28.5007, 0.3985, 0.3673

Complementary

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



28.5007, 0.2670, 0.3597



15.4613, 0.3953, 0.3014

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.



28.5007, 0.3895, 0.3329



28.5007, 0.2670, 0.3597



28.5007, 0.3149, 0.2741

Square

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



28.5007, 0.2670, 0.3597



28.5007, 0.2452, 0.2629



28.5007, 0.3580, 0.2998



28.5007, 0.3827, 0.3951

Rectangle

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



28.5007, 0.2670, 0.3597



28.5007, 0.2341, 0.2925



28.5007, 0.3580, 0.2998



28.5007, 0.3983, 0.3562

Sweetspot

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



28.5018, 0.2670, 0.3597



58.2416, 0.2974, 0.3372



28.2567, 0.3221, 0.4548



13.0061, 0.2950, 0.3385



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.5018, 0.2670, 0.3597



50.3659, 0.2599, 0.3676



23.5728, 0.2498, 0.2976



7.4815, 0.3019, 0.3346



20.6584, 0.2469, 0.4088



0.3756, 0.2370, 0.3730

Inverse Universe

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



15.4613, 0.3953, 0.3014



23.6489, 0.4235, 0.2961



18.3560, 0.4108, 0.3576



6.6717, 0.3247, 0.3235



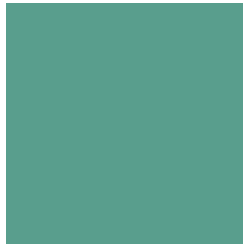
5.9446, 0.5892, 0.3019



0.1124, 0.4910, 0.2479

Previews

White Background



This preview shows how the Yxy color 28.5007, 0.2670, 0.3597 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 28.5007, 0.2670, 0.3597 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 28.5007, 0.2670, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 28.5007, 0.2670, 0.3597.

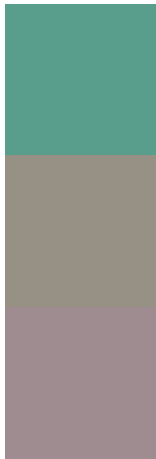


This preview shows how white text looks on a background with the Yxy color 28.5007, 0.2670, 0.3597.

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

28.5007, 0.2670, 0.3597

Protanopia

28.1240, 0.3302, 0.3467

Deuteranopia

28.1714, 0.3284, 0.3213



Tritanopia

28.3880, 0.2523, 0.3067

Trichromacy



Original Color

28.5007, 0.2670, 0.3597

Protanomaly

27.8617, 0.3036, 0.3511

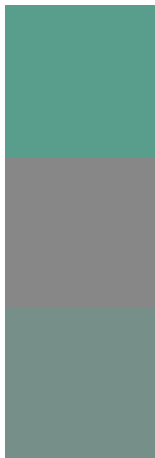
Deuteranomaly

27.9494, 0.3023, 0.3339

Tritanomaly

28.2385, 0.2568, 0.3236

Monochromacy



Original Color

28.5007, 0.2670, 0.3597

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3026, 0.2927, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5007, 0.2670, 0.3597 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(89, 158, 141)` looks like.

```
.text, #text, p{  
    color:rgb(89, 158, 141)  
}
```

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(89, 158, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 158, 141) }
```

Border

The CSS property to change the border of an element to Yxy 28.5007, 0.2670, 0.3597 is called "border". The border property can be set on classes, ids or directly on the HTML element.

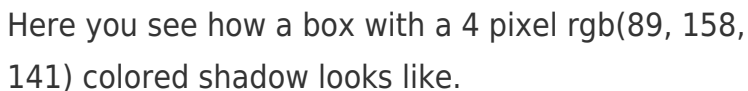
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 158, 141) }
```

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

```
.border{ border-color:rgb(89, 158, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(89, 158, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(89, 158, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(89, 158, 141); box-shadow:4px 4px 4px 4px rgb(89, 158, 141) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5007, 0.2670, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 158, 141) }
```

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

```
.background{ background-color: rgb(89, 158,  
141) }
```

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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