

Converting Colors

$Yxy(28.4059, 0.2545, 0.3800)$

Have a look what the booklet for
Yxy(28.4059, 0.2545, 0.3800)
contains.

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Color

Yxy(28.5197, 0.2545, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	3BA287
RGB	59, 162, 135
RGB Percent	23%, 64%, 53%
CMY	0.7687, 0.3647, 0.4706
CMYK	0.64, 0.00, 0.17, 0.36
HSL	164°, 47%, 43%
HSV	164°, 64%, 64%
XYZ	19.0957, 28.5197, 27.4167
YIQ	128.1250, -52.7210, -30.2330

Conversions

Conversions Part 2

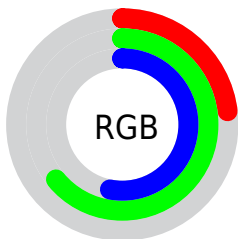
Format	Color
RYB	59, 118, 162
Decimal	3908231
CIELab	60.36, -36.27, 5.35
CIElCh	60, 36.667, 171.605
Yxy	28.5197, 0.2545, 0.3801
Android (android.graphics.Color)	4282098311 (0xFF3BA287)
YUV	128.1250, 3.3894, -60.6226
Hunter-Lab	53.4038, -29.6303, 6.9441

Details

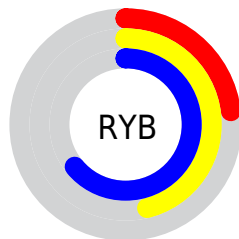
The Yxy color **28.5197, 0.2545, 0.3801** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.4799, 0.4572, 0.2893**, and the grayscale version is **21.6324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0385, 0.2665, 0.3688**, and **11.8077, 0.2445, 0.4000** is the 20% darker color. If you saturate the color by 10%, you get **27.9832, 0.2505, 0.3897**, and if you desaturate by 10%, it is **29.2168, 0.2603, 0.3707**.

Distribution



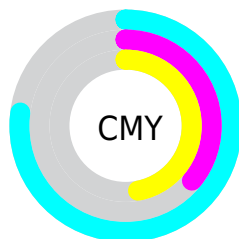
- Red (23%)
- Green (64%)
- Blue (53%)



- Red (23%)
- Yellow (46%)
- Blue (64%)



- Cyan (64%)
- Magenta (0%)
- Yellow (17%)
- Black (36%)





- Cyan (77%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5197, 0.2545, 0.3801 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 28.5197, 0.2545, 0.3801 by changing the saturation by 10% instead.


 28.5197, 0.2545,
0.3801


 28.5197, 0.2545,
0.3801


294.9420, 0.2862,
0.3518


 18.7178, 0.2457,
0.3882


 57.3131, 0.2667,
0.3691


 11.4665, 0.2337,
0.3994


 77.0734, 0.2710,
0.3652


 6.3816, 0.2166,
0.4157


 100.9219, 0.2746,
0.3620

 3.0784, 0.1905,
0.4416

 129.2431, 0.2777,
0.3593

 1.1728, 0.0907,
0.5211

 162.4213, 0.2803,
0.3570

 0.0393, 0.0000,
1.0000

200.8409, 0.2825,

 0.0000, 0.0000,

0.3550

0.0000

244.8863, 0.2845,
0.3533

■ 28.5197, 0.2545,
0.3801

■ 28.5197, 0.2545,
0.3801

■ 27.9832, 0.2505,
0.3897

■ 29.2168, 0.2603,
0.3707

■ 27.5891, 0.2484,
0.3994

■ 30.0842, 0.2678,
0.3617

■ 27.3208, 0.2482,
0.4090

■ 31.1344, 0.2766,
0.3532

■ 27.1871, 0.2487,
0.4152

■ 32.3780, 0.2865,
0.3453

■ 33.8248, 0.2973,
0.3379

■ 35.4838, 0.3086,
0.3312

■ 37.3636, 0.3202,
0.3252

■ 39.4721, 0.3319,
0.3198

■ 41.8171, 0.3436,
0.3150

Harmonies

Analogous

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



28.5197, 0.3090, 0.4276



28.5197, 0.2545, 0.3801



28.5197, 0.2178, 0.3181

Triad

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



28.5197, 0.2545, 0.3801



28.5197, 0.2526, 0.2356



28.5197, 0.4332, 0.3729

Complementary

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



28.5197, 0.2545, 0.3801



11.4799, 0.4572, 0.2893

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.



28.5197, 0.4169, 0.3263



28.5197, 0.2545, 0.3801



28.5197, 0.3071, 0.2513

Square

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



28.5197, 0.2545, 0.3801



28.5197, 0.2173, 0.2401



28.5197, 0.3687, 0.2835



28.5197, 0.4137, 0.4147

Rectangle

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



28.5197, 0.2545, 0.3801



28.5197, 0.2066, 0.2822



28.5197, 0.3687, 0.2835



28.5197, 0.4319, 0.3574

Sweetspot

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



28.5208, 0.2545, 0.3801



59.8412, 0.2910, 0.3421



28.1582, 0.3234, 0.5177



13.2837, 0.2881, 0.3441



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.5208, 0.2545, 0.3801



50.4931, 0.2495, 0.3934



21.7054, 0.2273, 0.2835



7.9794, 0.3021, 0.3350



21.4245, 0.2484, 0.4144



0.4573, 0.2388, 0.3796

Inverse Universe

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



11.4799, 0.4572, 0.2893



17.0848, 0.5089, 0.2879



14.1872, 0.4835, 0.3651



7.1150, 0.3246, 0.3231



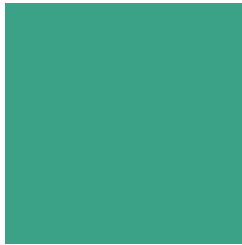
6.1922, 0.5845, 0.2994



0.1374, 0.4895, 0.2470

Previews

White Background



This preview shows how the Yxy color 28.5197, 0.2545, 0.3801 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 28.5197, 0.2545, 0.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

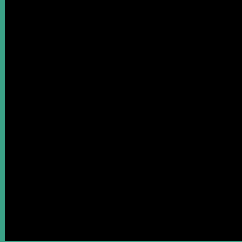
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5197, 0.2545, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 28.5197, 0.2545, 0.3801.

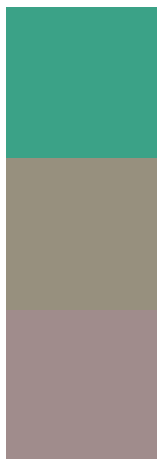


This preview shows how white text looks on a background with the Yxy color 28.5197, 0.2545, 0.3801.

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

28.5197, 0.2545, 0.3801

Protanopia

28.0322, 0.3385, 0.3581

Deuteranopia

28.1232, 0.3347, 0.3291



Tritanopia

28.4327, 0.2376, 0.3062

Trichromacy



Original Color

28.5197, 0.2545, 0.3801

Protanomaly

27.5697, 0.3001, 0.3677

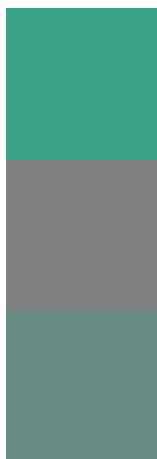
Deuteranomaly

27.2257, 0.2969, 0.3462

Tritanomaly

28.4595, 0.2437, 0.3324

Monochromacy



Original Color

28.5197, 0.2545, 0.3801

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.2784, 0.2833, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5197, 0.2545, 0.3801 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(59, 162, 135)` looks like.

```
.text, #text, p{  
    color:rgb(59, 162, 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(59, 162, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 162, 135) }
```

Border

The CSS property to change the border of an element to Yxy 28.5197, 0.2545, 0.3801 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(59, 162, 135) }
```

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

```
.border{ border-color:rgb(59, 162, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 162, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 162, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 162, 135);  
box-shadow:4px 4px 4px 4px rgb(59, 162,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5197, 0.2545, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 162, 135) }
```

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

```
.background{ background-color: rgb(59, 162,  
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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