

Converting Colors

Yxy(35.6849, 0.2847, 0.4335)

Have a look what the booklet for
Yxy(35.6849, 0.2847, 0.4335)
contains.

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Color

Yxy(35.5983, 0.2849, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	57B377
RGB	87, 179, 119
RGB Percent	34%, 70%, 47%
CMY	0.6588, 0.2980, 0.5334
CMYK	0.51, 0.00, 0.34, 0.30
HSL	141°, 38%, 52%
HSV	141°, 51%, 70%
XYZ	23.3793, 35.5983, 23.0839
YIQ	144.6520, -35.5720, -38.1640

Conversions

Conversions Part 2

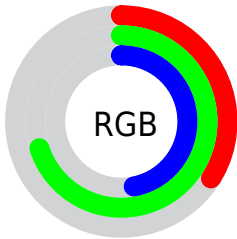
Format	Color
RYB	87, 155, 179
Decimal	5747575
CIELab	66.21, -41.08, 22.49
CIElCh	66, 46.833, 151.302
Yxy	35.5983, 0.2849, 0.4338
Android (android.graphics.Color)	4283937655 (0xFF57B377)
YUV	144.6520, -12.6464, -50.5608
Hunter-Lab	59.6643, -34.4677, 18.8259

Details

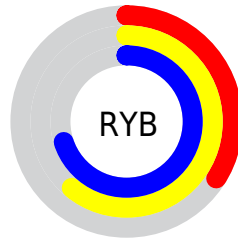
The Yxy color **35.5983, 0.2849, 0.4338** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.5089, 0.3610, 0.2451**, and the grayscale version is **28.2301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2349, 0.2914, 0.4102**, and **15.3290, 0.2729, 0.4720** is the 20% darker color. If you saturate the color by 10%, you get **34.5788, 0.2819, 0.4587**, and if you desaturate by 10%, it is **36.8688, 0.2891, 0.4098**.

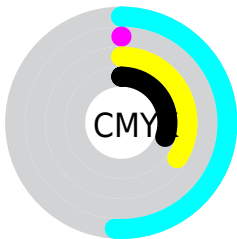
Distribution



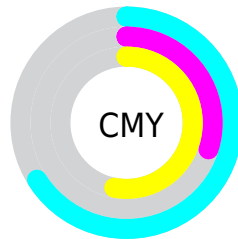
- Red (34%)
- Green (70%)
- Blue (47%)



- Red (34%)
- Yellow (61%)
- Blue (70%)



- Cyan (51%)
- Magenta (0%)
- Yellow (34%)
- Black (30%)




- Cyan (66%)
- Magenta (30%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5983, 0.2849, 0.4338 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 35.5983, 0.2849, 0.4338 by changing the saturation by 10% instead.

 35.5983, 0.2849,
0.4338


 35.5983, 0.2849,
0.4338


327.2014, 0.3011,
0.3758


 24.1241, 0.2799,
0.4503


 68.4116, 0.2914,
0.4113

 15.4257, 0.2729,
0.4729


 90.5195, 0.2937,
0.4033

 9.1187, 0.2624,
0.5053


 116.9408, 0.2955,
0.3967

 4.8187, 0.2450,
0.5554

 148.0598, 0.2970,
0.3911

 2.1413, 0.2179,
0.6637

184.2610, 0.2983,
0.3864

 0.6877, 0.0000,
1.0000

225.9287, 0.2994,

 0.0000, 0.0000,

0.3824

0.0000

273.4474, 0.3003,
0.3789

■ 35.5983, 0.2849,
0.4338

■ 35.5983, 0.2849,
0.4338

■ 34.5788, 0.2819,
0.4587

■ 36.8688, 0.2891,
0.4098

■ 33.7886, 0.2805,
0.4838

■ 38.4017, 0.2941,
0.3872

■ 33.2094, 0.2807,
0.5079

■ 40.2125, 0.2998,
0.3665

■ 32.8182, 0.2827,
0.5301

■ 42.3147, 0.3058,
0.3478

■ 32.5921, 0.2853,
0.5471

■ 44.7205, 0.3119,
0.3312

■ 47.4417, 0.3179,
0.3164

■ 50.4893, 0.3238,
0.3035

■ 53.8737, 0.3295,
0.2922

■ 57.6051, 0.3349,
0.2823

Harmonies

Analogous

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



35.5983, 0.3538, 0.4608



35.5983, 0.2849, 0.4338



35.5983, 0.2272, 0.3657

Triad

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



35.5983, 0.2849, 0.4338



35.5983, 0.2121, 0.2211



35.5983, 0.4473, 0.3414

Complementary

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



35.5983, 0.2849, 0.4338



18.5089, 0.3610, 0.2451

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.



35.5983, 0.4005, 0.2904



35.5983, 0.2849, 0.4338



35.5983, 0.2603, 0.2244

Square

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



35.5983, 0.2849, 0.4338



35.5983, 0.1896, 0.2429



35.5983, 0.3290, 0.2491



35.5983, 0.4513, 0.3948

Rectangle

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



35.5983, 0.2849, 0.4338



35.5983, 0.2021, 0.3154



35.5983, 0.3290, 0.2491



35.5983, 0.4360, 0.3238

Sweetspot

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



35.5998, 0.2849, 0.4338



74.2647, 0.3034, 0.3548



39.2576, 0.3569, 0.4652



16.2793, 0.3022, 0.3587



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.5998, 0.2849, 0.4338



61.6650, 0.2816, 0.4629



36.9369, 0.2561, 0.3540



9.5372, 0.3070, 0.3442



23.0411, 0.2847, 0.5450



0.7363, 0.2680, 0.4849

Inverse Universe

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



18.5089, 0.3610, 0.2451



27.5525, 0.3770, 0.2296



17.3673, 0.4321, 0.3074



8.5955, 0.3189, 0.3143



7.6891, 0.4310, 0.2148



0.2524, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 35.5983, 0.2849, 0.4338 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 35.5983, 0.2849, 0.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

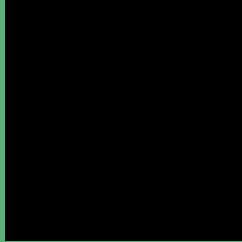
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5983, 0.2849, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 35.5983, 0.2849, 0.4338.



This preview shows how white text looks on a background with the Yxy color 35.5983, 0.2849, 0.4338.

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

35.5983, 0.2849, 0.4338

Protanopia

35.1735, 0.3715, 0.3999

Deuteranopia

34.8279, 0.3759, 0.3679



Tritanopia

35.5717, 0.2506, 0.3071

Trichromacy



Original Color

35.5983, 0.2849, 0.4338



Protanomaly

34.6031, 0.3345, 0.4132



Deuteranomaly

33.8500, 0.3369, 0.3898



Tritanomaly

35.4420, 0.2629, 0.3502

Monochromacy



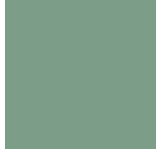
Original Color

35.5983, 0.2849, 0.4338



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.1766, 0.2997, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5983, 0.2849, 0.4338 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(87, 179, 119)` looks like.

```
.text, #text, p{  
    color:rgb(87, 179, 119)  
}
```

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(87, 179, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 179, 119) }
```

Border

The CSS property to change the border of an element to Yxy 35.5983, 0.2849, 0.4338 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(87, 179, 119) }
```

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

```
.border{ border-color:rgb(87, 179, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 179, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 179, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 179, 119);  
box-shadow:4px 4px 4px 4px rgb(87, 179,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5983, 0.2849, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 179, 119) }
```

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

```
.background{ background-color: rgb(87, 179,  
119) }
```

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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