

Converting Colors

$Yxy(35.8944, 0.2848, 0.4258)$

Have a look what the booklet for
Yxy(35.8944, 0.2848, 0.4258)
contains.

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Color

Yxy(35.8944, 0.2848, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	5BB37B
RGB	91, 179, 123
RGB Percent	36%, 70%, 48%
CMY	0.6432, 0.2980, 0.5177
CMYK	0.49, 0.00, 0.31, 0.30
HSL	142°, 37%, 53%
HSV	142°, 49%, 70%
XYZ	24.0083, 35.8944, 24.3961
YIQ	146.3040, -34.4720, -36.0720

Conversions

Conversions Part 2

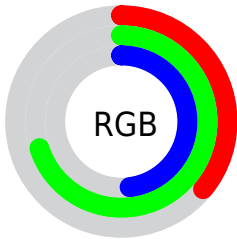
Format	Color
RYB	91, 156, 179
Decimal	6009723
CIELab	66.44, -39.28, 20.66
CIELCh	66, 44.379, 152.251
Yxy	35.8944, 0.2848, 0.4258
Android (android.graphics.Color)	4284199803 (0xFF5BB37B)
YUV	146.3040, -11.4889, -48.5016
Hunter-Lab	59.9119, -33.3163, 17.7956

Details

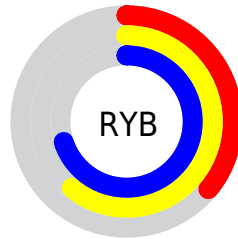
The Yxy color **35.8944, 0.2848, 0.4258** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.1728, 0.3602, 0.2502**, and the grayscale version is **28.9341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6622, 0.2909, 0.4044**, and **15.4850, 0.2732, 0.4600** is the 20% darker color. If you saturate the color by 10%, you get **34.8232, 0.2814, 0.4500**, and if you desaturate by 10%, it is **37.2187, 0.2893, 0.4027**.

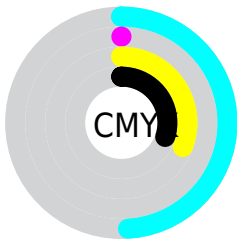
Distribution



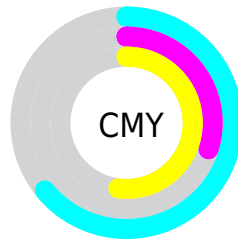
- Red (36%)
- Green (70%)
- Blue (48%)



- Red (36%)
- Yellow (61%)
- Blue (70%)



- Cyan (49%)
- Magenta (0%)
- Yellow (31%)
- Black (30%)




- Cyan (64%)
- Magenta (30%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8944, 0.2848, 0.4258 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 35.8944, 0.2848, 0.4258 by changing the saturation by 10% instead.

 35.8944, 0.2848,
0.4258


 35.8944, 0.2848,
0.4258


328.4988, 0.3008,
0.3725


 24.3527, 0.2800,
0.4409


 68.8690, 0.2912,
0.4051

 15.5954, 0.2733,
0.4615


 91.0707, 0.2934,
0.3978

 9.2383, 0.2633,
0.4911


 117.5945, 0.2952,
0.3917

 4.8970, 0.2471,
0.5369

 148.8248, 0.2967,
0.3866

 2.1869, 0.2206,
0.6257

185.1460, 0.2980,
0.3823

 0.7129, 0.0000,
1.0000

226.9424, 0.2991,

 0.0000, 0.0000,

0.3785

0.0000

274.5985, 0.3000,
0.3753

■ 35.8944, 0.2848,
0.4258

■ 35.8944, 0.2848,
0.4258

■ 34.8232, 0.2814,
0.4500

■ 37.2187, 0.2893,
0.4027

■ 33.9839, 0.2795,
0.4746

■ 38.8070, 0.2947,
0.3811

■ 33.3590, 0.2793,
0.4986

■ 40.6746, 0.3007,
0.3614

■ 32.9263, 0.2809,
0.5210

■ 42.8345, 0.3069,
0.3436

■ 32.6454, 0.2839,
0.5412


■ 45.2989, 0.3132,
0.3278

 32.6247, 0.2841,
0.5428

 48.0793, 0.3195,
0.3138

 51.1864, 0.3256,
0.3015

 54.6306, 0.3315,
0.2908

 58.4217, 0.3370,
0.2814

Harmonies

Analogous

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



35.8944, 0.3502, 0.4531



35.8944, 0.2848, 0.4258



35.8944, 0.2303, 0.3615

Triad

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



35.8944, 0.2848, 0.4258



35.8944, 0.2180, 0.2261



35.8944, 0.4407, 0.3431

Complementary

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



35.8944, 0.2848, 0.4258



19.1728, 0.3602, 0.2502

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.



35.8944, 0.3976, 0.2940



35.8944, 0.2848, 0.4258



35.8944, 0.2650, 0.2297

Square

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



35.8944, 0.2848, 0.4258



35.8944, 0.1957, 0.2464



35.8944, 0.3306, 0.2539



35.8944, 0.4436, 0.3939

Rectangle

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



35.8944, 0.2848, 0.4258



35.8944, 0.2068, 0.3145



35.8944, 0.3306, 0.2539



35.8944, 0.4304, 0.3261

Sweetspot

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



35.8959, 0.2848, 0.4258



74.2923, 0.3031, 0.3542



39.3123, 0.3541, 0.4600



16.2861, 0.3018, 0.3580



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.



35.8959, 0.2848, 0.4258



62.2231, 0.2812, 0.4520



37.2122, 0.2570, 0.3503



9.5395, 0.3068, 0.3438



23.0642, 0.2835, 0.5406



0.7371, 0.2669, 0.4808

Inverse Universe

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



19.1728, 0.3602, 0.2502



28.7632, 0.3754, 0.2354



18.0691, 0.4265, 0.3103



8.5933, 0.3191, 0.3146



7.6426, 0.4372, 0.2182



0.2512, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 35.8944, 0.2848, 0.4258 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 35.8944, 0.2848, 0.4258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

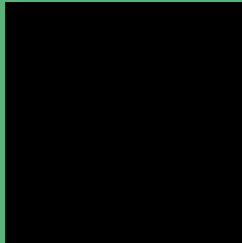
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8944, 0.2848, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 35.8944, 0.2848, 0.4258.



This preview shows how white text looks on a background with the Yxy color 35.8944, 0.2848, 0.4258.

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

35.8944, 0.2848, 0.4258

Protanopia

35.2637, 0.3678, 0.3942

Deuteranopia

35.2345, 0.3725, 0.3651



Tritanopia

35.7544, 0.2525, 0.3072

Trichromacy



Original Color

35.8944, 0.2848, 0.4258



Protanomaly

34.7851, 0.3321, 0.4066



Deuteranomaly

34.3761, 0.3350, 0.3863



Tritanomaly

35.6474, 0.2641, 0.3484

Monochromacy



Original Color

35.8944, 0.2848, 0.4258



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

30.7243, 0.2998, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8944, 0.2848, 0.4258 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(91, 179, 123)` looks like.

```
.text, #text, p{  
    color:rgb(91, 179, 123)  
}
```

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(91, 179, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 179, 123) }
```

Border

The CSS property to change the border of an element to Yxy 35.8944, 0.2848, 0.4258 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(91, 179, 123) }
```

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

```
.border{ border-color:rgb(91, 179, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 179, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 179, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 179, 123);  
box-shadow:4px 4px 4px 4px rgb(91, 179,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8944, 0.2848, 0.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 179, 123) }
```

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

```
.background{ background-color: rgb(91, 179,  
123) }
```

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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