

Converting Colors

$Y_{xy}(34.6864, 0.2329, 0.2847)$

Have a look what the booklet for
Yxy(34.6864, 0.2329, 0.2847)
contains.

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Color

Yxy(34.8051, 0.2331, 0.2856)

Conversions

Conversions Part 1

Format	Color
Hex	56AAC6
RGB	86, 170, 198
RGB Percent	34%, 67%, 78%
CMY	0.6627, 0.3333, 0.2235
CMYK	0.57, 0.14, 0.00, 0.22
HSL	195°, 50%, 56%
HSV	195°, 57%, 78%
XYZ	28.4071, 34.8051, 58.6544
YIQ	148.0760, -59.0520, -9.1000

Conversions

Conversions Part 2

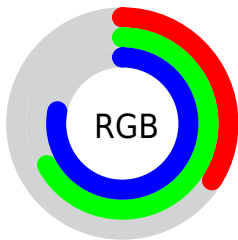
Format	Color
R _Y B	86, 134, 198
Decimal	5679814
CIE Lab	65.60, -17.41, -22.05
CIE LCh	66, 28.096, 231.702
Yxy	34.8051, 0.2331, 0.2856
Android (android.graphics.Color)	4283869894 (0xFF56AAC6)
YUV	148.0760, 24.6125, -54.4407
Hunter-Lab	58.9958, -17.2932, -17.6498

Details

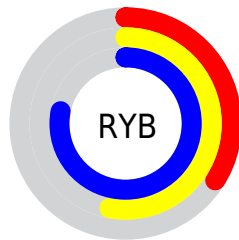
The Yxy color **34.8051, 0.2331, 0.2856** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **24.7200, 0.4581, 0.3654**, and the grayscale version is **29.5635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9997, 0.2477, 0.2938**, and **15.0350, 0.2103, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **32.1709, 0.2227, 0.2765**, and if you desaturate by 10%, it is **37.7722, 0.2451, 0.2945**.

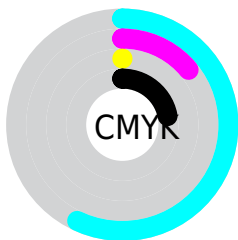
Distribution



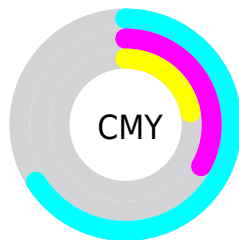
- Red (34%)
- Green (67%)
- Blue (78%)



- Red (34%)
- Yellow (53%)
- Blue (78%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)





- Cyan (66%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8051, 0.2331, 0.2856 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 34.8051, 0.2331, 0.2856 by changing the saturation by 10% instead.

 34.8051, 0.2331,
0.2856

 34.8051, 0.2331,
0.2856


323.7072, 0.2735,
0.3090


 23.5128, 0.2230,
0.2792


 67.1837, 0.2478,
0.2945


 14.9726, 0.2100,
0.2708


 89.0388, 0.2534,
0.2977

 8.8002, 0.1928,
0.2591


 115.1836, 0.2580,
0.3004

 4.6111, 0.1693,
0.2420

 146.0026, 0.2620,
0.3027

 2.0209, 0.1356,
0.2151

181.8800, 0.2655,
0.3046

 0.6196, 0.0453,
0.1712

223.2003, 0.2685,

 0.0000, 0.0000,

0.3063

0.0000

270.3479, 0.2711,
0.3078

■ 34.8051, 0.2331,
0.2856

■ 34.8051, 0.2331,
0.2856

■ 32.1709, 0.2227,
0.2765

■ 37.7722, 0.2451,
0.2945

■ 29.8428, 0.2142,
0.2672

■ 41.0886, 0.2583,
0.3029

■ 27.7957, 0.2076,
0.2579

■ 44.7740, 0.2726,
0.3108

■ 25.9951, 0.2029,
0.2486

■ 48.8454, 0.2875,
0.3182

■ 25.4109, 0.2015,
0.2455

■ 53.3187, 0.3027,
0.3249

■ 58.2085, 0.3180,
0.3310

■ 63.5288, 0.3331,
0.3365

■ 69.2929, 0.3478,
0.3414

■ 73.7219, 0.3550,
0.3461

Harmonies

Analogous

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



34.8051, 0.2431, 0.3223



34.8051, 0.2331, 0.2856



34.8051, 0.2423, 0.2640

Triad

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



34.8051, 0.2331, 0.2856



34.8051, 0.3533, 0.2959



34.8051, 0.3536, 0.4070

Complementary

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



34.8051, 0.2331, 0.2856



24.7200, 0.4581, 0.3654

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.



34.8051, 0.3863, 0.3927



34.8051, 0.2331, 0.2856



34.8051, 0.3872, 0.3286

Square

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



34.8051, 0.2331, 0.2856



34.8051, 0.3095, 0.2713



34.8051, 0.3993, 0.3634



34.8051, 0.3112, 0.3976

Rectangle

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



34.8051, 0.2331, 0.2856



34.8051, 0.2585, 0.2592



34.8051, 0.3993, 0.3634



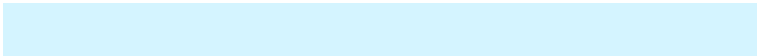
34.8051, 0.3661, 0.4046

Sweetspot

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



34.8064, 0.2331, 0.2856



85.9613, 0.2864, 0.3177



43.5885, 0.2893, 0.4658



18.0746, 0.2834, 0.3162



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.8064, 0.2331, 0.2856



55.8982, 0.2205, 0.2742



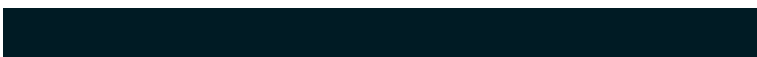
18.0943, 0.2133, 0.1925



11.6009, 0.2984, 0.3231



16.6644, 0.2019, 0.2467



0.8990, 0.2072, 0.2659

Inverse Universe

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



21.5674, 0.3534, 0.2250



31.9693, 0.3657, 0.2086



41.4340, 0.4120, 0.4338



10.7695, 0.3175, 0.3118



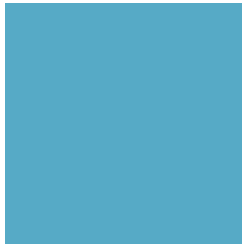
9.2223, 0.3955, 0.1952



0.4478, 0.3768, 0.1849

Previews

White Background



This preview shows how the Yxy color 34.8051, 0.2331, 0.2856 looks on a white background.

Color Contrast Check

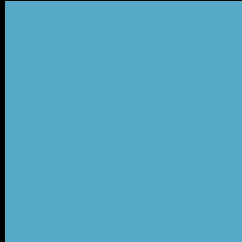
Large Text (above 18pt) WCAG AA × Fail

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 34.8051, 0.2331, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

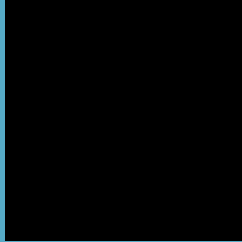
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8051, 0.2331, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 34.8051, 0.2331, 0.2856.



This preview shows how white text looks on a background with the Yxy color 34.8051, 0.2331, 0.2856.

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

34.8051, 0.2331, 0.2856

Protanopia

34.4635, 0.2811, 0.2833

Deuteranopia

34.2390, 0.2709, 0.2648



Tritanopia

34.7995, 0.2378, 0.3065

Trichromacy



Original Color

34.8051, 0.2331, 0.2856

Protanomaly

34.2356, 0.2603, 0.2844

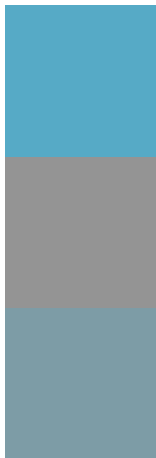
Deuteranomaly

33.8238, 0.2538, 0.2704

Tritanomaly

34.6825, 0.2363, 0.2988

Monochromacy



Original Color

34.8051, 0.2331, 0.2856

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8901, 0.2758, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8051, 0.2331, 0.2856 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(86, 170, 198)` looks like.

```
.text, #text, p{  
    color:rgb(86, 170, 198)  
}
```

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(86, 170, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 170, 198) }
```

Border

The CSS property to change the border of an element to Yxy 34.8051, 0.2331, 0.2856 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(86, 170, 198) }
```

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

```
.border{ border-color:rgb(86, 170, 198) }
```

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

Here you see how a box with a 4 pixel rgb(86, 170, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 170, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 170, 198);  
box-shadow:4px 4px 4px 4px rgb(86, 170,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8051, 0.2331, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 170, 198) }
```

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

```
.background{ background-color: rgb(86, 170,  
198) }
```

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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