

Converting Colors

$Y_{xy}(34.9009, 0.2131, 0.2606)$

Have a look what the booklet for
Yxy(34.9009, 0.2131, 0.2606)
contains.

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Color

Yxy(34.8680, 0.2133, 0.2611)

Conversions

Conversions Part 1

Format	Color
Hex	36ABD8
RGB	54, 171, 216
RGB Percent	21%, 67%, 85%
CMY	0.7876, 0.3294, 0.1530
CMYK	0.75, 0.21, 0.00, 0.15
HSL	197°, 67%, 53%
HSV	197°, 75%, 85%
XYZ	28.4847, 34.8680, 70.1900
YIQ	141.1470, -84.1770, -10.8090

Conversions

Conversions Part 2

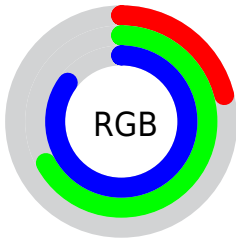
Format	Color
RYB	54, 122, 216
Decimal	3582936
CIELab	65.65, -17.32, -32.00
CIELCh	66, 36.388, 241.576
Yxy	34.8680, 0.2133, 0.2611
Android (android.graphics.Color)	4281773016 (0xFF36ABD8)
YUV	141.1470, 36.9025, -76.4279
Hunter-Lab	59.0491, -17.2295, -29.1420

Details

The Yxy color **34.8680, 0.2133, 0.2611** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **23.8231, 0.5259, 0.3744**, and the grayscale version is **26.5928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8237, 0.2387, 0.2942**, and **15.7669, 0.2009, 0.2430** is the 20% darker color. If you saturate the color by 10%, you get **32.1786, 0.2060, 0.2506**, and if you desaturate by 10%, it is **37.9284, 0.2225, 0.2716**.

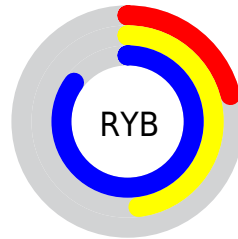
Distribution



Red (21%)

Green (67%)

Blue (85%)



Red (21%)

Yellow (48%)

Blue (85%)

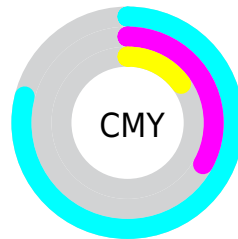


Cyan (75%)

Magenta (21%)

Yellow (0%)

Black (15%)



Cyan (79%)


Magenta (33%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8680, 0.2133, 0.2611 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 34.8680, 0.2133, 0.2611 by changing the saturation by 10% instead.


 34.8680, 0.2133,
0.2611


 34.8680, 0.2133,
0.2611


323.9853, 0.2629,
0.2970


 23.5612, 0.2012,
0.2517


 67.2812, 0.2312,
0.2745


 15.0084, 0.1860,
0.2395


 89.1565, 0.2379,
0.2794


 8.8253, 0.1664,
0.2232

 115.3233, 0.2437,
0.2836

 4.6274, 0.1405,
0.2004

 146.1661, 0.2486,
0.2871

 2.0304, 0.1057,
0.1672

 182.0693, 0.2529,
0.2901

 0.6250, 0.0321,
0.1173

223.4174, 0.2567,

 0.0000, 0.0000,

0.2927

0.0000

270.5945, 0.2600,
0.2950

■ 34.8680, 0.2133,
0.2611

■ 34.8680, 0.2133,
0.2611

■ 32.1786, 0.2060,
0.2506

■ 37.9284, 0.2225,
0.2716

■ 29.8172, 0.2008,
0.2402

■ 41.3885, 0.2336,
0.2819

■ 28.7096, 0.1986,
0.2349

■ 45.2778, 0.2462,
0.2918

■ 49.6214, 0.2600,
0.3012

■ 54.4421, 0.2746,
0.3100

■ 59.7609, 0.2898,
0.3182

■ 65.5976, 0.3052,
0.3256

■ 71.9705, 0.3205,
0.3323

■ 78.8972, 0.3355,
0.3383

Harmonies

Analogous

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



34.8680, 0.2175, 0.3017



34.8680, 0.2133, 0.2611



34.8680, 0.2322, 0.2422

Triad

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



34.8680, 0.2133, 0.2611



34.8680, 0.3820, 0.2992



34.8680, 0.3466, 0.4309

Complementary

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



34.8680, 0.2133, 0.2611



23.8231, 0.5259, 0.3744

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.



34.8680, 0.3949, 0.4190



34.8680, 0.2133, 0.2611



34.8680, 0.4181, 0.3415

Square

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



34.8680, 0.2133, 0.2611



34.8680, 0.3268, 0.2648



34.8680, 0.4222, 0.3846



34.8680, 0.2916, 0.4084

Rectangle

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



34.8680, 0.2133, 0.2611



34.8680, 0.2567, 0.2415



34.8680, 0.4222, 0.3846



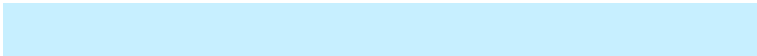
34.8680, 0.3642, 0.4304

Sweetspot

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



34.8692, 0.2133, 0.2611



81.3150, 0.2787, 0.3123



50.7670, 0.2862, 0.5142



16.9667, 0.2746, 0.3100



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.



34.8692, 0.2133, 0.2611



44.7713, 0.2027, 0.2444



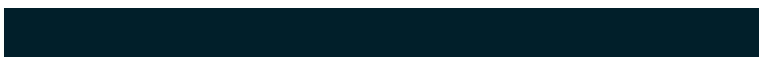
13.3891, 0.1816, 0.1370



13.4968, 0.2982, 0.3224



17.1840, 0.1990, 0.2365



1.1724, 0.2040, 0.2544

Inverse Universe

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



20.1925, 0.3788, 0.2068



25.7462, 0.3972, 0.2005



46.8008, 0.4410, 0.4591



12.5710, 0.3180, 0.3123



10.0796, 0.4059, 0.2009



0.6217, 0.3879, 0.1910

Previews

White Background



This preview shows how the Yxy color 34.8680, 0.2133, 0.2611 looks on a white background.

Color Contrast Check

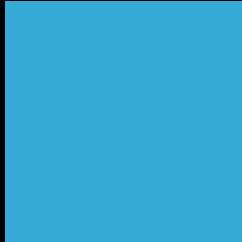
Large Text (above 18pt) WCAG AA × Fail

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 34.8680, 0.2133, 0.2611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

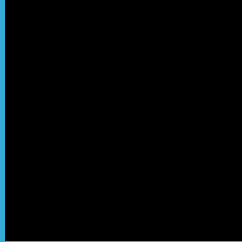
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8680, 0.2133, 0.2611

Background



This preview shows how black text looks on a background with the Yxy color 34.8680, 0.2133, 0.2611.



This preview shows how white text looks on a background with the Yxy color 34.8680, 0.2133, 0.2611.

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

34.8680, 0.2133, 0.2611

Protanopia

34.2045, 0.2634, 0.2605

Deuteranopia

34.2947, 0.2489, 0.2428



Tritanopia

35.0296, 0.2212, 0.3059

Trichromacy



Original Color

34.8680, 0.2133, 0.2611

Protanomaly

33.5379, 0.2386, 0.2587

Deuteranomaly

33.7398, 0.2314, 0.2472

Tritanomaly

34.8077, 0.2179, 0.2891

Monochromacy



Original Color

34.8680, 0.2133, 0.2611

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.5348, 0.2606, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8680, 0.2133, 0.2611 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(54, 171, 216)` looks like.

```
.text, #text, p{  
    color:rgb(54, 171, 216)  
}
```

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(54, 171, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 171, 216) }
```

Border

The CSS property to change the border of an element to Yxy 34.8680, 0.2133, 0.2611 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(54, 171, 216) }
```

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

```
.border{ border-color:rgb(54, 171, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 171, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 171, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 171, 216);  
box-shadow:4px 4px 4px 4px rgb(54, 171,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8680, 0.2133, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 171, 216) }
```

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

```
.background{ background-color: rgb(54, 171,  
216) }
```

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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