

Converting Colors

$Yxy(49.1504, 0.2687, 0.4130)$

Have a look what the booklet for
Yxy(49.1504, 0.2687, 0.4130)
contains.

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Color

Yxy(49.3430, 0.2685, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	55D099
RGB	85, 208, 153
RGB Percent	33%, 82%, 60%
CMY	0.6669, 0.1843, 0.4000
CMYK	0.59, 0.00, 0.26, 0.18
HSL	153°, 57%, 57%
HSV	153°, 59%, 82%
XYZ	32.0479, 49.3430, 37.9681
YIQ	164.9530, -55.6530, -43.1810

Conversions

Conversions Part 2

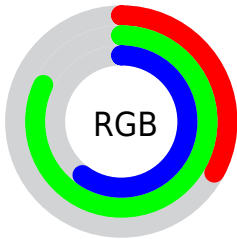
Format	Color
RYB	85, 164, 208
Decimal	5623961
CIELab	75.66, -47.10, 17.27
CIELCh	76, 50.162, 159.862
Yxy	49.3430, 0.2685, 0.4134
Android (android.graphics.Color)	4283814041 (0xFF55D099)
YUV	164.9530, -5.8928, -70.1188
Hunter-Lab	70.2446, -41.4904, 17.1242

Details

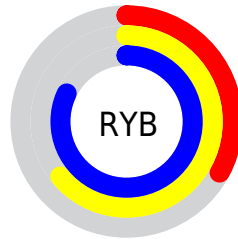
The Yxy color **49.3430, 0.2685, 0.4134** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.7931, 0.4095, 0.2626**, and the grayscale version is **37.6464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9543, 0.2757, 0.3861**, and **23.7418, 0.2556, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **48.2156, 0.2653, 0.4308**, and if you desaturate by 10%, it is **50.7844, 0.2734, 0.3965**.

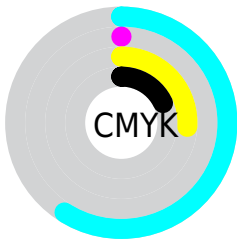
Distribution



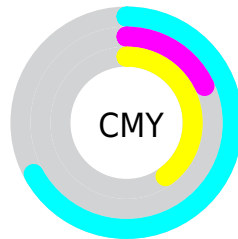
- Red (33%)
- Green (82%)
- Blue (60%)



- Red (33%)
- Yellow (64%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)



- Cyan (67%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3430, 0.2685, 0.4134 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 49.3430, 0.2685, 0.4134 by changing the saturation by 10% instead.


 49.3430, 0.2685,
0.4134


 49.3430, 0.2685,
0.4134


384.0911, 0.2914,
0.3693


 34.8916, 0.2625,
0.4250


 89.2007, 0.2770,
0.3970


 23.5794, 0.2547,
0.4402


 115.3758, 0.2802,
0.3909

 15.0219, 0.2441,
0.4610


 146.2276, 0.2828,
0.3858

 8.8348, 0.2288,
0.4911

 182.1405, 0.2850,
0.3815

 4.6336, 0.2053,
0.5380

223.4989, 0.2870,
0.3779

 2.0339, 0.1552,
0.6330

270.6872, 0.2887,

 0.6271, 0.0000,

0.3746

1.0000

324.0898, 0.2901,
0.3718

0.0000, 0.0000,
0.0000

49.3430, 0.2685,
0.4134

49.3430, 0.2685,
0.4134

48.2156, 0.2653,
0.4308

50.7844, 0.2734,
0.3965

47.3697, 0.2641,
0.4484

52.5570, 0.2798,
0.3805

46.7762, 0.2649,
0.4657

54.6839, 0.2873,
0.3655

46.3837, 0.2675,
0.4824

57.1842, 0.2956,
0.3518

46.3544, 0.2677,
0.4837

60.0758, 0.3044,
0.3393

■ 63.3753, 0.3135,
0.3281

■ 67.0984, 0.3226,
0.3182

■ 71.2598, 0.3316,
0.3094

■ 72.4726, 0.3277,
0.3004

Harmonies

Analogous

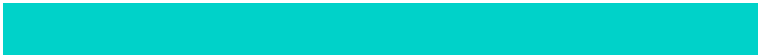
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3430, 0.3337, 0.4529



49.3430, 0.2685, 0.4134



49.3430, 0.2185, 0.3433

Triad

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



49.3430, 0.2685, 0.4134



49.3430, 0.2265, 0.2234



49.3430, 0.4476, 0.3563

Complementary

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



49.3430, 0.2685, 0.4134



21.7931, 0.4095, 0.2626

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.



49.3430, 0.4134, 0.3054



49.3430, 0.2685, 0.4134



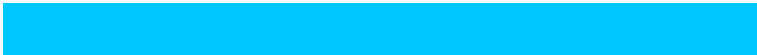
49.3430, 0.2798, 0.2328

Square

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



49.3430, 0.2685, 0.4134



49.3430, 0.1973, 0.2374



49.3430, 0.3489, 0.2619



49.3430, 0.4398, 0.4069

Rectangle

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



49.3430, 0.2685, 0.4134



49.3430, 0.1993, 0.2976



49.3430, 0.3489, 0.2619



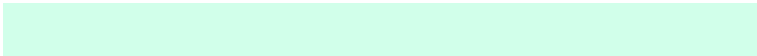
49.3430, 0.4407, 0.3390

Sweetspot

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



49.3450, 0.2685, 0.4134



91.0580, 0.2964, 0.3505



51.3753, 0.3401, 0.4983



19.2232, 0.2939, 0.3544



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.



49.3450, 0.2685, 0.4134



76.0321, 0.2648, 0.4355



48.6573, 0.2382, 0.3200



13.3141, 0.3042, 0.3396



28.9075, 0.2671, 0.4814



1.6322, 0.2585, 0.4507

Inverse Universe

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



21.7931, 0.4095, 0.2626



28.5139, 0.4430, 0.2547



21.5663, 0.4902, 0.3367



11.8948, 0.3221, 0.3187



8.8691, 0.5167, 0.2620



0.5118, 0.4717, 0.2372

Previews

White Background



This preview shows how the Yxy color 49.3430, 0.2685, 0.4134 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 49.3430, 0.2685, 0.4134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

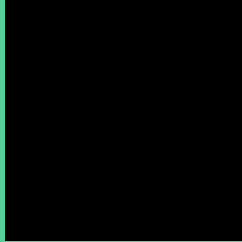
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3430, 0.2685, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 49.3430, 0.2685, 0.4134.



This preview shows how white text looks on a background with the Yxy color 49.3430, 0.2685, 0.4134.

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

49.3430, 0.2685, 0.4134

Protanopia

48.6567, 0.3591, 0.3838

Deuteranopia

48.3759, 0.3587, 0.3511



Tritanopia

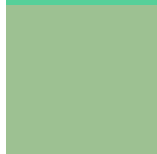
49.2697, 0.2421, 0.3068

Trichromacy



Original Color

49.3430, 0.2685, 0.4134



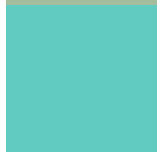
Protanomaly

47.3833, 0.3184, 0.3953



Deuteranomaly

46.9365, 0.3181, 0.3731



Tritanomaly

49.1588, 0.2515, 0.3432

Monochromacy



Original Color

49.3430, 0.2685, 0.4134



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.8552, 0.2909, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3430, 0.2685, 0.4134 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(85, 208, 153)` looks like.

```
.text, #text, p{  
    color:rgb(85, 208, 153)  
}
```

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(85, 208, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 208, 153) }
```

Border

The CSS property to change the border of an element to Yxy 49.3430, 0.2685, 0.4134 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(85, 208, 153) }
```

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

```
.border{ border-color:rgb(85, 208, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 208, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 208, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 208, 153);  
box-shadow:4px 4px 4px 4px rgb(85, 208,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3430, 0.2685, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 208, 153) }
```

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

```
.background{ background-color: rgb(85, 208,  
153) }
```

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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