

Converting Colors

$Y_{xy}(54.3849, 0.2628, 0.3669)$

Have a look what the booklet for
Yxy(54.3849, 0.2628, 0.3669)
contains.

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Color

Yxy(54.3849, 0.2628, 0.3669)

Conversions

Conversions Part 1

Format	Color
Hex	6DD5BA
RGB	109, 213, 186
RGB Percent	43%, 84%, 73%
CMY	0.5729, 0.1646, 0.2707
CMYK	0.49, 0.00, 0.13, 0.16
HSL	164°, 55%, 63%
HSV	164°, 49%, 84%
XYZ	38.9544, 54.3849, 54.8889
YIQ	178.8260, -53.3170, -30.4450

Conversions

Conversions Part 2

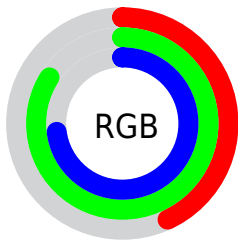
Format	Color
RYB	109, 169, 213
Decimal	7198138
CIELab	78.69, -36.73, 4.08
CIELCh	79, 36.953, 173.665
Yxy	54.3849, 0.2628, 0.3669
Android (android.graphics.Color)	4285388218 (0xFF6DD5BA)
YUV	178.8260, 3.5368, -61.2374
Hunter-Lab	73.7461, -34.7680, 7.4930

Details

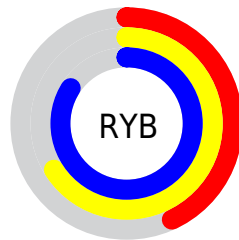
The Yxy color **54.3849, 0.2628, 0.3669** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.8439, 0.4119, 0.2960**, and the grayscale version is **44.9736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0378, 0.2694, 0.3433**, and **26.7756, 0.2494, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **52.9664, 0.2562, 0.3762**, and if you desaturate by 10%, it is **56.1441, 0.2710, 0.3580**.

Distribution



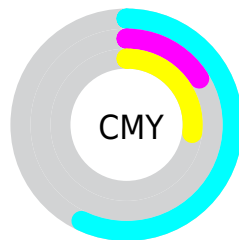
- Red (43%)
- Green (84%)
- Blue (73%)



- Red (43%)
- Yellow (66%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)





- Cyan (57%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.3849, 0.2628, 0.3669 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 54.3849, 0.2628, 0.3669 by changing the saturation by 10% instead.

 54.3849, 0.2628,
0.3669


 54.3849, 0.2628,
0.3669

403.5761, 0.2872,
0.3481

 38.9095, 0.2569,
0.3715

 96.6392, 0.2715,
0.3601

 26.6893, 0.2494,
0.3774


 124.1868, 0.2748,
0.3576

 17.3400, 0.2397,
0.3852


 156.5272, 0.2777,
0.3554

 10.4772, 0.2264,
0.3960

194.0449, 0.2801,
0.3535

 5.7165, 0.2074,
0.4117

237.1243, 0.2822,
0.3519

 2.6735, 0.1782,
0.4369

286.1496, 0.2841,

 0.9637, 0.0100,

0.3505

0.5529

341.5054, 0.2857,
0.3493

0.0000, 0.0000,
0.0000

54.3849, 0.2628,
0.3669

54.3849, 0.2628,
0.3669

52.9664, 0.2562,
0.3762

56.1441, 0.2710,
0.3580

51.8579, 0.2515,
0.3858

58.2591, 0.2805,
0.3496

51.0341, 0.2487,
0.3956


60.7522, 0.2910,
0.3419

50.4626, 0.2479,
0.4054


63.6417, 0.3023,
0.3347


50.0921, 0.2488,
0.4150

66.9447, 0.3141,
0.3283

 50.0551, 0.2489,
0.4161

 70.6776, 0.3260,
0.3225

 74.2768, 0.3357,
0.3173

 74.5831, 0.3318,
0.3118

 74.8993, 0.3278,
0.3064

Harmonies

Analogous

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



54.3849, 0.3073, 0.4058



54.3849, 0.2628, 0.3669



54.3849, 0.2330, 0.3178

Triad

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



54.3849, 0.2628, 0.3669



54.3849, 0.2662, 0.2516



54.3849, 0.4107, 0.3694

Complementary

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



54.3849, 0.2628, 0.3669



26.8439, 0.4119, 0.2960

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.



54.3849, 0.3990, 0.3305



54.3849, 0.2628, 0.3669



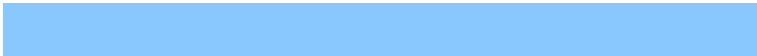
54.3849, 0.3120, 0.2658

Square

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



54.3849, 0.2628, 0.3669



54.3849, 0.2351, 0.2549



54.3849, 0.3617, 0.2938



54.3849, 0.3939, 0.4022

Rectangle

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



54.3849, 0.2628, 0.3669



54.3849, 0.2243, 0.2891



54.3849, 0.3617, 0.2938



54.3849, 0.4101, 0.3567

Sweetspot

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



54.3871, 0.2628, 0.3669



92.8301, 0.2952, 0.3391



53.9900, 0.3237, 0.4747



19.6781, 0.2928, 0.3407



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.



54.3871, 0.2628, 0.3669



79.4504, 0.2558, 0.3769



44.3282, 0.2424, 0.2948



14.0502, 0.3017, 0.3351



30.5881, 0.2485, 0.4147



1.8581, 0.2439, 0.3980

Inverse Universe

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



26.8439, 0.4119, 0.2960



33.2737, 0.4477, 0.2907



32.0823, 0.4324, 0.3593



12.4732, 0.3251, 0.3230



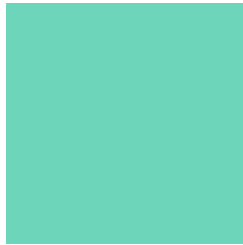
8.8257, 0.5886, 0.3016



0.5460, 0.5386, 0.2741

Previews

White Background



This preview shows how the Yxy color 54.3849, 0.2628, 0.3669 looks on a white background.

Color Contrast Check

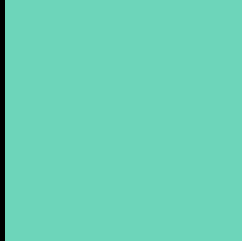
Large Text (above 18pt) WCAG AA × Fail

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 54.3849, 0.2628, 0.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

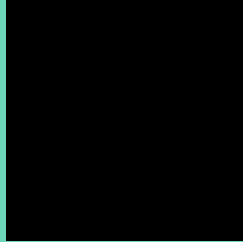
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

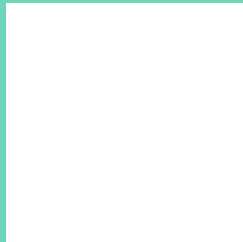
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.3849, 0.2628, 0.3669

Background



This preview shows how black text looks on a background with the Yxy color 54.3849, 0.2628, 0.3669.

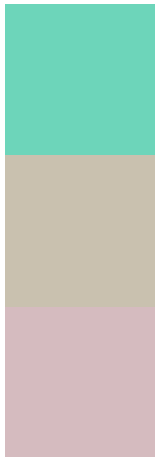


This preview shows how white text looks on a background with the Yxy color 54.3849, 0.2628, 0.3669.

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

54.3849, 0.2628, 0.3669

Protanopia

53.6526, 0.3331, 0.3512

Deuteranopia

53.4484, 0.3314, 0.3243



Tritanopia

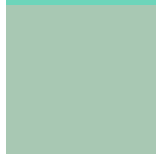
54.4866, 0.2472, 0.3079

Trichromacy



Original Color

54.3849, 0.2628, 0.3669



Protanomaly

52.8881, 0.3030, 0.3566



Deuteranomaly

52.2679, 0.3014, 0.3380



Tritanomaly

54.4593, 0.2529, 0.3288

Monochromacy



Original Color

54.3849, 0.2628, 0.3669



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.5090, 0.2902, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3849, 0.2628, 0.3669 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(109, 213, 186)` looks like.

```
.text, #text, p{  
    color:rgb(109, 213, 186)  
}
```

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(109, 213, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 213, 186) }
```

Border

The CSS property to change the border of an element to Yxy 54.3849, 0.2628, 0.3669 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(109, 213, 186) }
```

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

```
.border{ border-color:rgb(109, 213, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 213, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 213, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 213, 186);  
box-shadow:4px 4px 4px 4px rgb(109, 213,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3849, 0.2628, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 213, 186) }
```

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

```
.background{ background-color: rgb(109,  
213, 186) }
```

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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