

Converting Colors

$Yxy(52.6739, 0.2575, 0.3067)$

Have a look what the booklet for
Yxy(52.6739, 0.2575, 0.3067)
contains.

Yxy(52.6739, 0.2575, 0.3067)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.6739, 0.2575, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	89CADB
RGB	137, 202, 219
RGB Percent	54%, 79%, 86%
CMY	0.4627, 0.2078, 0.1412
CMYK	0.37, 0.08, 0.00, 0.14
HSL	192°, 53%, 70%
HSV	192°, 37%, 86%
XYZ	44.2241, 52.6739, 74.8461
YIQ	184.5030, -44.1970, -8.4930

Conversions

Conversions Part 2

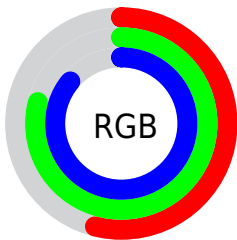
Format	Color
RYB	137, 173, 219
Decimal	9030363
CIELab	77.68, -16.36, -14.99
CIElCh	78, 22.185, 222.499
Yxy	52.6739, 0.2575, 0.3067
Android (android.graphics.Color)	4287220443 (0xFF89CADB)
YUV	184.5030, 17.0070, -41.6601
Hunter-Lab	72.5768, -18.2418, -10.3401

Details

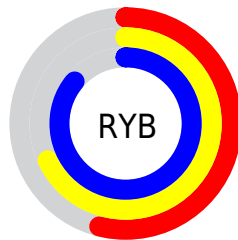
The Yxy color **52.6739, 0.2575, 0.3067** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9792, 0.3963, 0.3499**, and the grayscale version is **48.1508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **25.6540, 0.2432, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **48.9103, 0.2447, 0.2997**, and if you desaturate by 10%, it is **56.8799, 0.2714, 0.3133**.

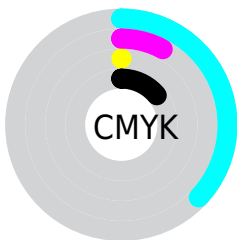
Distribution



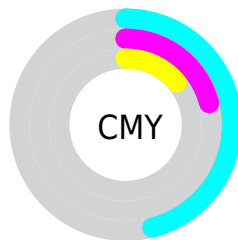
- Red (54%)
- Green (79%)
- Blue (86%)



- Red (54%)
- Yellow (68%)
- Blue (86%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6739, 0.2575, 0.3067 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 52.6739, 0.2575, 0.3067 by changing the saturation by 10% instead.

■ 52.6739, 0.2575,
0.3067

■ 52.6739, 0.2575,
0.3067

■ 397.0327, 0.2840,
0.3181

■ 37.5425, 0.2512,
0.3038

■ 94.1243, 0.2669,
0.3109

■ 25.6278, 0.2434,
0.3001

■ 121.2122, 0.2705,
0.3124

■ 16.5454, 0.2333,
0.2951

■ 153.0543, 0.2735,
0.3138

■ 9.9109, 0.2198,
0.2881

■ 190.0351, 0.2762,
0.3149

■ 5.3399, 0.2010,
0.2777

■ 232.5389, 0.2785,
0.3159

■ 2.4481, 0.1733,
0.2609

■ 280.9502, 0.2806,

■ 0.8505, 0.1128,

0.3167

0.2345

335.6534, 0.2824,
0.3174

0.0000, 0.0000,
0.0000

52.6739, 0.2575,
0.3067

52.6739, 0.2575,
0.3067

48.9103, 0.2447,
0.2997

56.8799, 0.2714,
0.3133

45.5594, 0.2334,
0.2924

61.5435, 0.2861,
0.3195

42.5975, 0.2238,
0.2849

66.6867, 0.3013,
0.3251

39.9953, 0.2161,
0.2772

72.3282, 0.3167,
0.3303

37.7185, 0.2104,
0.2696

78.4854, 0.3320,
0.3349

■ 35.7210, 0.2065,
0.2621

■ 82.5415, 0.3375,
0.3393

■ 35.2335, 0.2056,
0.2602

■ 85.0895, 0.3369,
0.3438

■ 87.7036, 0.3362,
0.3482

■ 90.3844, 0.3356,
0.3526

Harmonies

Analogous

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



52.6739, 0.2690, 0.3340



52.6739, 0.2575, 0.3067



52.6739, 0.2599, 0.2874

Triad

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



52.6739, 0.2575, 0.3067



52.6739, 0.3320, 0.2996



52.6739, 0.3495, 0.3811

Complementary

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



52.6739, 0.2575, 0.3067



39.9792, 0.3963, 0.3499

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.



52.6739, 0.3680, 0.3686



52.6739, 0.2575, 0.3067



52.6739, 0.3579, 0.3219

Square

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



52.6739, 0.2575, 0.3067



52.6739, 0.3017, 0.2845



52.6739, 0.3713, 0.3468



52.6739, 0.3215, 0.3789

Rectangle

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



52.6739, 0.2575, 0.3067



52.6739, 0.2690, 0.2810



52.6739, 0.3713, 0.3468



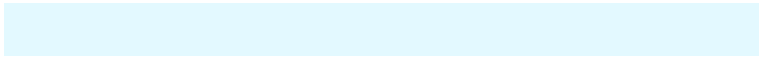
52.6739, 0.3570, 0.3784

Sweetspot

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



52.6760, 0.2575, 0.3067



91.4096, 0.2957, 0.3231



58.2914, 0.2978, 0.4190



19.3516, 0.2936, 0.3223



0.0000, 0.0000, 0.0000



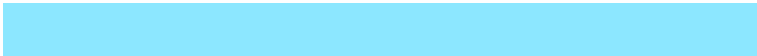
21.4041, 0.3127, 0.3290

Same Dimension

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



52.6760, 0.2575, 0.3067



70.0913, 0.2472, 0.3012



36.1380, 0.2494, 0.2506



14.3474, 0.2982, 0.3240



21.0560, 0.2059, 0.2613



1.4818, 0.2093, 0.2736

Inverse Universe

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



37.2200, 0.3332, 0.2540



45.8712, 0.3388, 0.2387



55.6266, 0.3784, 0.3964



13.2262, 0.3169, 0.3107



10.7494, 0.3811, 0.1873



0.7083, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 52.6739, 0.2575, 0.3067 looks on a white background.

Color Contrast Check

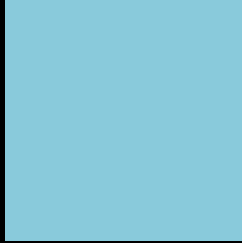
Large Text (above 18pt) WCAG AA × Fail

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 52.6739, 0.2575, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

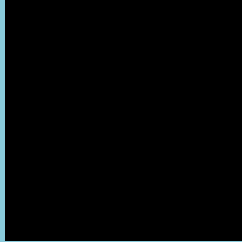
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

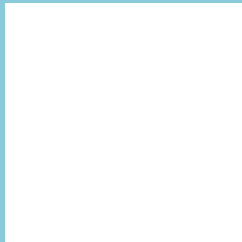
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.6739, 0.2575, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 52.6739, 0.2575, 0.3067.



This preview shows how white text looks on a background with the Yxy color 52.6739, 0.2575, 0.3067.

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

52.6739, 0.2575, 0.3067

Protanopia

52.3489, 0.2965, 0.3034

Deuteranopia

52.4167, 0.2933, 0.2876



Tritanopia

52.6214, 0.2580, 0.3080

Trichromacy



Original Color

52.6739, 0.2575, 0.3067

Protanomaly

51.9847, 0.2806, 0.3038

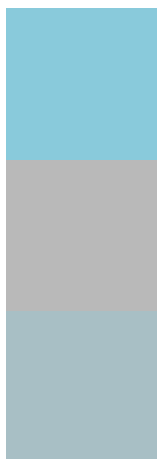
Deuteranomaly

51.9184, 0.2787, 0.2932

Tritanomaly

52.6214, 0.2580, 0.3080

Monochromacy



Original Color

52.6739, 0.2575, 0.3067

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.6177, 0.2903, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6739, 0.2575, 0.3067 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(137, 202, 219)` looks like.

```
.text, #text, p{  
    color:rgb(137, 202, 219)  
}
```

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(137, 202, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 202, 219) }
```

Border

The CSS property to change the border of an element to Yxy 52.6739, 0.2575, 0.3067 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(137, 202, 219) }
```

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

```
.border{ border-color:rgb(137, 202, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 202, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 202, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 202, 219); box-shadow:4px 4px 4px 4px rgb(137, 202, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6739, 0.2575, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 202, 219) }
```

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

```
.background{ background-color: rgb(137,  
202, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor