

Converting Colors

$Yxy(51.1134, 0.2684, 0.3379)$

Have a look what the booklet for
Yxy(51.1134, 0.2684, 0.3379)
contains.

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Color

Yxy(51.1677, 0.2689, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	85CAC3
RGB	133, 202, 195
RGB Percent	52%, 79%, 76%
CMY	0.4782, 0.2079, 0.2354
CMYK	0.34, 0.00, 0.03, 0.21
HSL	174°, 39%, 66%
HSV	174°, 34%, 79%
XYZ	40.6470, 51.1677, 59.3455
YIQ	180.5710, -38.8770, -16.8050

Conversions

Conversions Part 2

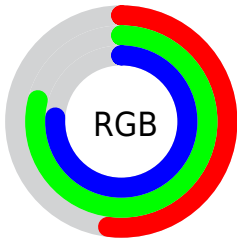
Format	Color
RYB	133, 169, 202
Decimal	8768195
CIELab	76.78, -23.21, -3.40
CIElCh	77, 23.460, 188.342
Yxy	51.1677, 0.2689, 0.3385
Android (android.graphics.Color)	4286958275 (0xFF85CAC3)
YUV	180.5710, 7.1135, -41.7198
Hunter-Lab	71.5316, -23.7499, 0.8828

Details

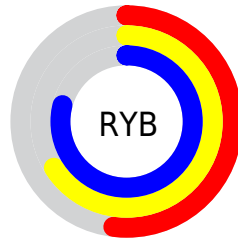
The Yxy color **51.1677, 0.2689, 0.3385** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.2420, 0.3840, 0.3200**, and the grayscale version is **45.9475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1764, 0.2761, 0.3332**, and **24.7652, 0.2573, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **49.5874, 0.2586, 0.3417**, and if you desaturate by 10%, it is **53.0696, 0.2806, 0.3355**.

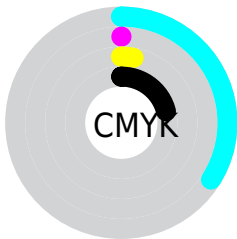
Distribution



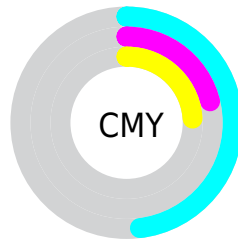
- Red (52%)
- Green (79%)
- Blue (76%)



- Red (52%)
- Yellow (66%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)





- Cyan (48%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1677, 0.2689, 0.3385 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 51.1677, 0.2689, 0.3385 by changing the saturation by 10% instead.


 51.1677, 0.2689,
0.3385

 51.1677, 0.2689,
0.3385

391.2150, 0.2903,
0.3341

 36.3421, 0.2637,
0.3395


 91.9026, 0.2765,
0.3370

 24.6985, 0.2572,
0.3408


 118.5807, 0.2795,
0.3364

 15.8526, 0.2486,
0.3423

 149.9784, 0.2819,
0.3358

 9.4199, 0.2370,
0.3444

186.4801, 0.2841,
0.3354

 5.0161, 0.2203,
0.3470

228.4702, 0.2859,
0.3350

 2.2567, 0.1945,
0.3506

276.3332, 0.2875,

 0.7506, 0.0751,

0.3347

0.3838

330.4533, 0.2890,
0.3343

0.0000, 0.0000,
0.0000

51.1677, 0.2689,
0.3385

51.1677, 0.2689,
0.3385

49.5874, 0.2586,
0.3417

53.0696, 0.2806,
0.3355

48.3043, 0.2500,
0.3451

55.3037, 0.2933,
0.3326

47.3004, 0.2431,
0.3485


57.8875, 0.3069,
0.3300


46.5533, 0.2381,
0.3521


60.8357, 0.3211,
0.3276

46.0371, 0.2351,
0.3556


64.1620, 0.3355,
0.3255


 45.7201, 0.2338,
0.3590

 67.8794, 0.3499,
0.3236

 45.5930, 0.2336,
0.3611

 68.1224, 0.3489,
0.3215

 68.2253, 0.3473,
0.3194

 68.3295, 0.3457,
0.3173

Harmonies

Analogous

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



51.1677, 0.2948, 0.3670



51.1677, 0.2689, 0.3385



51.1677, 0.2548, 0.3087

Triad

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



51.1677, 0.2689, 0.3385



51.1677, 0.2966, 0.2803



51.1677, 0.3733, 0.3683

Complementary

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



51.1677, 0.2689, 0.3385



31.2420, 0.3840, 0.3200

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.



51.1677, 0.3744, 0.3442



51.1677, 0.2689, 0.3385



51.1677, 0.3288, 0.2950

Square

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



51.1677, 0.2689, 0.3385



51.1677, 0.2701, 0.2770



51.1677, 0.3578, 0.3178



51.1677, 0.3554, 0.3836

Rectangle

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



51.1677, 0.2689, 0.3385



51.1677, 0.2534, 0.2928



51.1677, 0.3578, 0.3178



51.1677, 0.3757, 0.3609

Sweetspot

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



51.1697, 0.2689, 0.3385



95.3141, 0.2987, 0.3315



49.6062, 0.3139, 0.4283



20.2709, 0.2968, 0.3319



0.0000, 0.0000, 0.0000



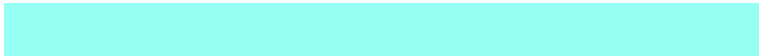
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1697, 0.2689, 0.3385



84.5994, 0.2611, 0.3409



40.1372, 0.2599, 0.2916



12.7066, 0.2997, 0.3314



29.3469, 0.2335, 0.3606



1.5198, 0.2316, 0.3538

Inverse Universe

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



31.2420, 0.3840, 0.3200



45.7936, 0.4075, 0.3181



39.2138, 0.3807, 0.3634



11.2319, 0.3274, 0.3267



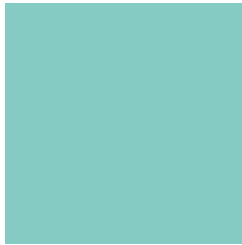
8.1201, 0.6270, 0.3228



0.4254, 0.5904, 0.3026

Previews

White Background



This preview shows how the Yxy color 51.1677, 0.2689, 0.3385 looks on a white background.

Color Contrast Check

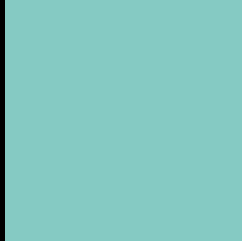
Large Text (above 18pt) WCAG AA × Fail

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 51.1677, 0.2689, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

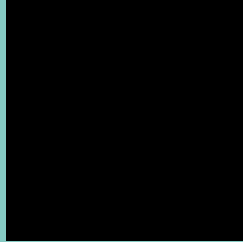
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

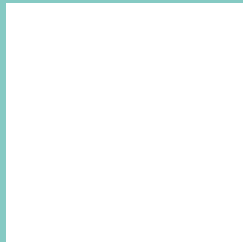
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1677, 0.2689, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 51.1677, 0.2689, 0.3385.

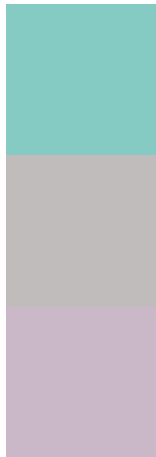


This preview shows how white text looks on a background with the Yxy color 51.1677, 0.2689, 0.3385.

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

51.1677, 0.2689, 0.3385

Protanopia

50.7608, 0.3168, 0.3303

Deuteranopia

50.5471, 0.3161, 0.3097



Tritanopia

51.1564, 0.2597, 0.3078

Trichromacy



Original Color

51.1677, 0.2689, 0.3385

Protanomaly

50.5156, 0.2976, 0.3329

Deuteranomaly

50.2512, 0.2965, 0.3187

Tritanomaly

51.0969, 0.2627, 0.3182

Monochromacy



Original Color

51.1677, 0.2689, 0.3385

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.8329, 0.2949, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1677, 0.2689, 0.3385 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(133, 202, 195)` looks like.

```
.text, #text, p{  
    color:rgb(133, 202, 195)  
}
```

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(133, 202, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 202, 195) }
```

Border

The CSS property to change the border of an element to Yxy 51.1677, 0.2689, 0.3385 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(133, 202, 195) }
```

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

```
.border{ border-color:rgb(133, 202, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 202, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 202, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 202, 195);  
box-shadow:4px 4px 4px 4px rgb(133, 202,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1677, 0.2689, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 202, 195) }
```

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

```
.background{ background-color: rgb(133,  
202, 195) }
```

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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