

Converting Colors

$Y_{xy}(50.8270, 0.2692, 0.3384)$

Have a look what the booklet for
Yxy(50.8270, 0.2692, 0.3384)
contains.

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Color

Yxy(50.6549, 0.2693, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	85C9C2
RGB	133, 201, 194
RGB Percent	52%, 79%, 76%
CMY	0.4783, 0.2118, 0.2392
CMYK	0.34, 0.00, 0.03, 0.21
HSL	174°, 39%, 65%
HSV	174°, 34%, 79%
XYZ	40.2995, 50.6549, 58.6908
YIQ	179.8700, -38.2810, -16.5930

Conversions

Conversions Part 2

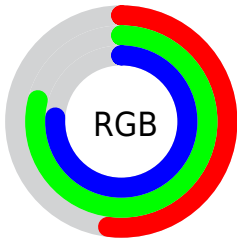
Format	Color
R_{YB}	133, 169, 201
Decimal	8767938
CIE _{Lab}	76.47, -22.95, -3.34
CIE _{LCh}	76, 23.190, 188.274
Yxy	50.6549, 0.2693, 0.3385
Android (android.graphics.Color)	4286958018 (0xFF85C9C2)
YUV	179.8700, 6.9661, -41.1050
Hunter-Lab	71.1723, -23.4804, 0.9282

Details

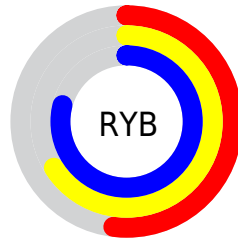
The Yxy color **50.6549, 0.2693, 0.3385** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.0935, 0.3830, 0.3200**, and the grayscale version is **45.5493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1135, 0.2766, 0.3342**, and **24.4664, 0.2584, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **49.0817, 0.2590, 0.3418**, and if you desaturate by 10%, it is **52.5465, 0.2810, 0.3354**.

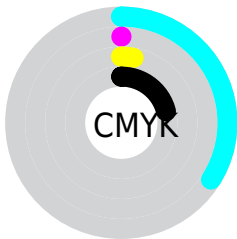
Distribution



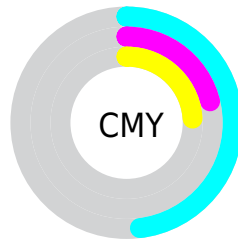
- Red (52%)
- Green (79%)
- Blue (76%)



- 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 50.6549, 0.2693, 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 50.6549, 0.2693, 0.3385 by changing the saturation by 10% instead.


 50.6549, 0.2693,
0.3385


 50.6549, 0.2693,
0.3385


389.2215, 0.2905,
0.3341

 35.9340, 0.2642,
0.3395


 91.1445, 0.2769,
0.3370

 24.3833, 0.2576,
0.3408


 117.6819, 0.2798,
0.3363

 15.6182, 0.2491,
0.3424


 148.9271, 0.2822,
0.3358

 9.2544, 0.2375,
0.3444

185.2643, 0.2844,
0.3354

 4.9075, 0.2208,
0.3472

227.0779, 0.2862,
0.3350

 2.1931, 0.1948,
0.3508

274.7524, 0.2878,

 0.7162, 0.0651,

0.3346

0.3870

328.6721, 0.2892,
0.3343

0.0000, 0.0000,
0.0000

50.6549, 0.2693,
0.3385

50.6549, 0.2693,
0.3385

49.0817, 0.2590,
0.3418

52.5465, 0.2810,
0.3354

47.8029, 0.2503,
0.3451

54.7669, 0.2938,
0.3326

46.8008, 0.2434,
0.3486


57.3335, 0.3074,
0.3299

46.0533, 0.2384,
0.3522


60.2606, 0.3215,
0.3276


45.5349, 0.2353,
0.3557


63.5619, 0.3359,
0.3254


 45.2146, 0.2339,
0.3592

 67.2502, 0.3503,
0.3235

 45.0808, 0.2337,
0.3614

 67.6117, 0.3498,
0.3214

 67.7145, 0.3481,
0.3193

 67.8188, 0.3465,
0.3172

Harmonies

Analogous

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



50.6549, 0.2950, 0.3667



50.6549, 0.2693, 0.3385



50.6549, 0.2552, 0.3090

Triad

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



50.6549, 0.2693, 0.3385



50.6549, 0.2967, 0.2807



50.6549, 0.3728, 0.3680

Complementary

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



50.6549, 0.2693, 0.3385



31.0935, 0.3830, 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.



50.6549, 0.3738, 0.3440



50.6549, 0.2693, 0.3385



50.6549, 0.3286, 0.2952

Square

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



50.6549, 0.2693, 0.3385



50.6549, 0.2704, 0.2774



50.6549, 0.3573, 0.3178



50.6549, 0.3551, 0.3832

Rectangle

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



50.6549, 0.2693, 0.3385



50.6549, 0.2539, 0.2932



50.6549, 0.3573, 0.3178



50.6549, 0.3752, 0.3606

Sweetspot

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



50.6569, 0.2693, 0.3385



95.3124, 0.2987, 0.3316



49.1263, 0.3139, 0.4272



20.2705, 0.2968, 0.3320



0.0000, 0.0000, 0.0000



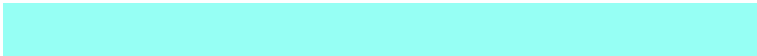
21.4041, 0.3127, 0.3290

Same Dimension

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



50.6569, 0.2693, 0.3385



84.5925, 0.2612, 0.3410



39.8433, 0.2604, 0.2920



12.0480, 0.2997, 0.3314



28.3530, 0.2336, 0.3609



1.3481, 0.2316, 0.3536

Inverse Universe

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



31.0935, 0.3830, 0.3200



45.7975, 0.4073, 0.3180



38.9361, 0.3799, 0.3631



10.6544, 0.3274, 0.3267



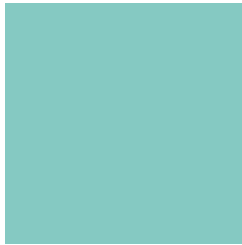
7.8475, 0.6267, 0.3226



0.3778, 0.5876, 0.3011

Previews

White Background



This preview shows how the Yxy color 50.6549, 0.2693, 0.3385 looks on a white background.

Color Contrast Check

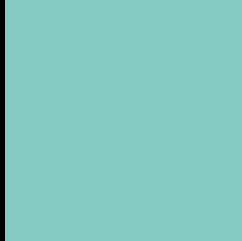
Large Text (above 18pt) WCAG AA × Fail

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 50.6549, 0.2693, 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

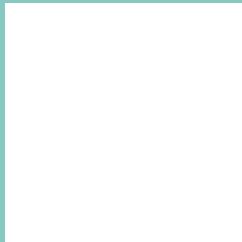
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6549, 0.2693, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 50.6549, 0.2693, 0.3385.

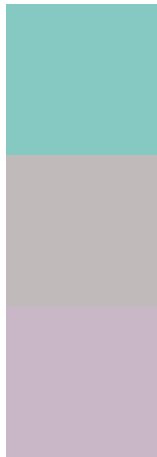


This preview shows how white text looks on a background with the Yxy color 50.6549, 0.2693, 0.3385.

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

50.6549, 0.2693, 0.3385

Protanopia

50.2923, 0.3177, 0.3303

Deuteranopia

49.9506, 0.3162, 0.3096



Tritanopia

50.6465, 0.2601, 0.3077

Trichromacy



Original Color

50.6549, 0.2693, 0.3385

Protanomaly

50.0313, 0.2983, 0.3329

Deuteranomaly

49.6565, 0.2964, 0.3187

Tritanomaly

50.5861, 0.2631, 0.3181

Monochromacy



Original Color

50.6549, 0.2693, 0.3385

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.2558, 0.2949, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6549, 0.2693, 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, 201, 194)` looks like.

```
.text, #text, p{  
    color:rgb(133, 201, 194)  
}
```

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, 201, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 201, 194) }
```

Border

The CSS property to change the border of an element to Yxy 50.6549, 0.2693, 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, 201, 194) }
```

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

```
.border{ border-color:rgb(133, 201, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 201, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 201, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 201, 194);  
box-shadow:4px 4px 4px 4px rgb(133, 201,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6549, 0.2693, 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, 201, 194) }
```

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

```
.background{ background-color: rgb(133,  
201, 194) }
```

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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