

Converting Colors

$Y_{xy}(50.1060, 0.2696, 0.3377)$

Have a look what the booklet for
Yxy(50.1060, 0.2696, 0.3377)
contains.

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Color

Yxy(50.1454, 0.2697, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	85C8C1
RGB	133, 200, 193
RGB Percent	52%, 78%, 76%
CMY	0.4785, 0.2157, 0.2430
CMYK	0.34, 0.00, 0.03, 0.22
HSL	174°, 38%, 65%
HSV	174°, 34%, 78%
XYZ	39.9534, 50.1454, 58.0413
YIQ	179.1690, -37.6850, -16.3810

Conversions

Conversions Part 2

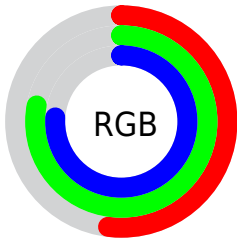
Format	Color
RYB	133, 168, 200
Decimal	8767681
CIELab	76.16, -22.69, -3.27
CIELCh	76, 22.920, 188.204
Yxy	50.1454, 0.2697, 0.3385
Android (android.graphics.Color)	4286957761 (0xFF85C8C1)
YUV	179.1690, 6.8187, -40.4902
Hunter-Lab	70.8134, -23.2127, 0.9731

Details

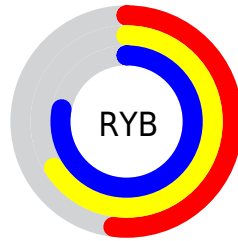
The Yxy color **50.1454, 0.2697, 0.3385** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.9437, 0.3820, 0.3200**, and the grayscale version is **45.1523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0509, 0.2771, 0.3353**, and **24.1567, 0.2581, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **48.5795, 0.2593, 0.3418**, and if you desaturate by 10%, it is **52.0266, 0.2814, 0.3354**.

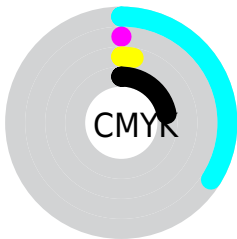
Distribution



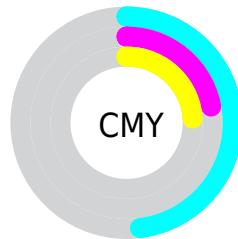
- Red (52%)
- Green (78%)
- Blue (76%)



- Red (52%)
- Yellow (66%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)





- Cyan (48%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1454, 0.2697, 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 50.1454, 0.2697, 0.3385 by changing the saturation by 10% instead.


 50.1454, 0.2697,
0.3385


 50.1454, 0.2697,
0.3385


387.2343, 0.2908,
0.3340


 35.5289, 0.2646,
0.3395

 90.3903, 0.2773,
0.3369

 24.0706, 0.2581,
0.3408


 116.7875, 0.2801,
0.3363

 15.3860, 0.2496,
0.3424


 147.8804, 0.2826,
0.3358

 9.0907, 0.2380,
0.3445

184.0534, 0.2847,
0.3354

 4.8004, 0.2212,
0.3473

225.6909, 0.2865,
0.3350

 2.1306, 0.1952,
0.3510

273.1773, 0.2881,

 0.6818, 0.0539,

0.3346

0.3903

326.8969, 0.2895,
0.3343

0.0000, 0.0000,
0.0000

50.1454, 0.2697,
0.3385

50.1454, 0.2697,
0.3385

48.5795, 0.2593,
0.3418

52.0266, 0.2814,
0.3354

47.3051, 0.2506,
0.3452

54.2333, 0.2942,
0.3325

46.3049, 0.2436,
0.3487


56.7825, 0.3078,
0.3299


45.5571, 0.2386,
0.3523

59.6886, 0.3219,
0.3275


45.0366, 0.2354,
0.3559

62.9648, 0.3363,
0.3253


 44.7131, 0.2341,
0.3595

 66.6239, 0.3507,
0.3234

 44.5727, 0.2338,
0.3617

 67.1048, 0.3506,
0.3213

 67.2077, 0.3490,
0.3192

 67.3120, 0.3474,
0.3171

Harmonies

Analogous

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



50.1454, 0.2953, 0.3665



50.1454, 0.2697, 0.3385



50.1454, 0.2557, 0.3092

Triad

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



50.1454, 0.2697, 0.3385



50.1454, 0.2967, 0.2810



50.1454, 0.3724, 0.3676

Complementary

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



50.1454, 0.2697, 0.3385



30.9437, 0.3820, 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.



50.1454, 0.3733, 0.3438



50.1454, 0.2697, 0.3385



50.1454, 0.3284, 0.2954

Square

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



50.1454, 0.2697, 0.3385



50.1454, 0.2707, 0.2778



50.1454, 0.3569, 0.3179



50.1454, 0.3548, 0.3827

Rectangle

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



50.1454, 0.2697, 0.3385



50.1454, 0.2543, 0.2935



50.1454, 0.3569, 0.3179



50.1454, 0.3747, 0.3603

Sweetspot

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



50.1474, 0.2697, 0.3385



95.3106, 0.2987, 0.3316



48.6492, 0.3139, 0.4261



20.2701, 0.2968, 0.3320



0.0000, 0.0000, 0.0000



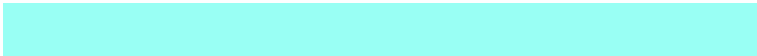
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1474, 0.2697, 0.3385



84.8473, 0.2622, 0.3408



39.5494, 0.2609, 0.2924



12.0478, 0.2998, 0.3314



28.3474, 0.2337, 0.3612



1.3479, 0.2316, 0.3538

Inverse Universe

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



30.9437, 0.3820, 0.3200



46.7090, 0.4038, 0.3181



38.6582, 0.3790, 0.3627



10.6546, 0.3273, 0.3266



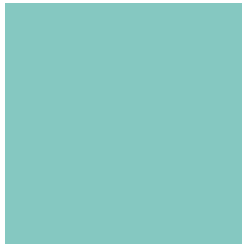
7.8481, 0.6265, 0.3225



0.3778, 0.5871, 0.3008

Previews

White Background



This preview shows how the Yxy color 50.1454, 0.2697, 0.3385 looks on a white background.

Color Contrast Check

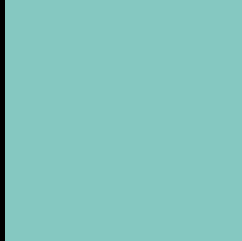
Large Text (above 18pt) WCAG AA × Fail

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 50.1454, 0.2697, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

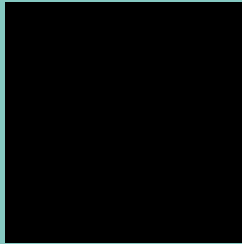
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

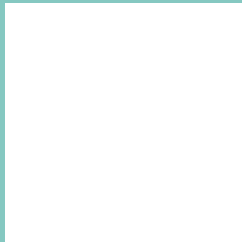
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1454, 0.2697, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 50.1454, 0.2697, 0.3385.



This preview shows how white text looks on a background with the Yxy color 50.1454, 0.2697, 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

50.1454, 0.2697, 0.3385

Protanopia

49.6970, 0.3177, 0.3303

Deuteranopia

49.4965, 0.3170, 0.3096



Tritanopia

50.1399, 0.2605, 0.3076

Trichromacy



Original Color

50.1454, 0.2697, 0.3385

Protanomaly

49.4385, 0.2982, 0.3329

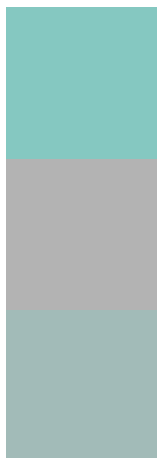
Deuteranomaly

49.1821, 0.2971, 0.3187

Tritanomaly

50.0786, 0.2635, 0.3181

Monochromacy



Original Color

50.1454, 0.2697, 0.3385

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.6827, 0.2948, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1454, 0.2697, 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, 200, 193)` looks like.

```
.text, #text, p{  
    color:rgb(133, 200, 193)  
}
```

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, 200, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 200, 193) }
```

Border

The CSS property to change the border of an element to Yxy 50.1454, 0.2697, 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, 200, 193) }
```

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

```
.border{ border-color:rgb(133, 200, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 200, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 200, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 200, 193);  
box-shadow:4px 4px 4px 4px rgb(133, 200,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1454, 0.2697, 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, 200, 193) }
```

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

```
.background{ background-color: rgb(133,  
200, 193) }
```

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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