

Converting Colors

$Yxy(50.3116, 0.2766, 0.3553)$

Have a look what the booklet for
Yxy(50.3116, 0.2766, 0.3553)
contains.

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Color

Yxy(50.1372, 0.2766, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	85C9B6
RGB	133, 201, 182
RGB Percent	52%, 79%, 71%
CMY	0.4782, 0.2118, 0.2862
CMYK	0.34, 0.00, 0.09, 0.21
HSL	163°, 39%, 65%
HSV	163°, 34%, 79%
XYZ	39.0097, 50.1372, 51.8860
YIQ	178.5020, -34.4290, -20.3250

Conversions

Conversions Part 2

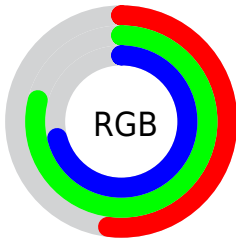
Format	Color
RYB	133, 173, 201
Decimal	8767926
CIELab	76.15, -25.64, 2.67
CIELCh	76, 25.775, 174.057
Yxy	50.1372, 0.2766, 0.3555
Android (android.graphics.Color)	4286958006 (0xFF85C9B6)
YUV	178.5020, 1.7245, -39.9053
Hunter-Lab	70.8076, -25.5732, 6.1192

Details

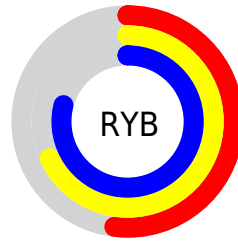
The Yxy color **50.1372, 0.2766, 0.3555** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4728, 0.3689, 0.3044**, and the grayscale version is **44.8117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3844, 0.2827, 0.3473**, and **24.1579, 0.2668, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **48.4286, 0.2679, 0.3648**, and if you desaturate by 10%, it is **52.1723, 0.2864, 0.3468**.

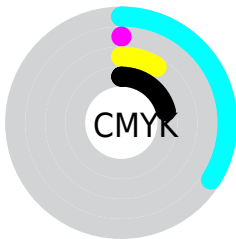
Distribution



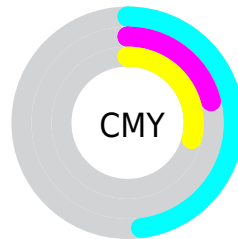
- Red (52%)
- Green (79%)
- Blue (71%)



- Red (52%)
- Yellow (68%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)





- Cyan (48%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1372, 0.2766, 0.3555 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 50.1372, 0.2766, 0.3555 by changing the saturation by 10% instead.

 50.1372, 0.2766,
0.3555

 50.1372, 0.2766,
0.3555

387.2022, 0.2945,
0.3423

 35.5224, 0.2722,
0.3588


 90.3781, 0.2831,
0.3507

 24.0656, 0.2666,
0.3630


 116.7731, 0.2855,
0.3489

 15.3823, 0.2591,
0.3687


 147.8635, 0.2876,
0.3474

 9.0881, 0.2489,
0.3765

184.0339, 0.2893,
0.3461

 4.7987, 0.2338,
0.3883

225.6685, 0.2909,
0.3449

 2.1296, 0.2097,
0.4076

273.1519, 0.2922,

 0.6812, 0.0172,

0.3439

326.8683, 0.2934,
0.3430

0.5415

0.0000, 0.0000,
0.0000

50.1372, 0.2766,
0.3555

50.1372, 0.2766,
0.3555

48.4286, 0.2679,
0.3648

52.1723, 0.2864,
0.3468

47.0222, 0.2607,
0.3746

54.5443, 0.2971,
0.3388

45.9004, 0.2551,
0.3849

57.2706, 0.3083,
0.3316

45.0409, 0.2514,
0.3954

60.3659, 0.3199,
0.3250

44.4180, 0.2497,
0.4059

63.8436, 0.3315,
0.3192

■ 44.0009, 0.2500,
0.4164

■ 67.7169, 0.3431,
0.3140

■ 43.8106, 0.2508,
0.4228

■ 68.2678, 0.3399,
0.3085

■ 68.5726, 0.3356,
0.3029

■ 68.8876, 0.3314,
0.2974

Harmonies

Analogous

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



50.1372, 0.3092, 0.3824



50.1372, 0.2766, 0.3555



50.1372, 0.2544, 0.3215

Triad

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



50.1372, 0.2766, 0.3555



50.1372, 0.2796, 0.2720



50.1372, 0.3829, 0.3601

Complementary

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



50.1372, 0.2766, 0.3555



31.4728, 0.3689, 0.3044

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.



50.1372, 0.3745, 0.3315



50.1372, 0.2766, 0.3555



50.1372, 0.3132, 0.2826

Square

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



50.1372, 0.2766, 0.3555



50.1372, 0.2561, 0.2750



50.1372, 0.3484, 0.3038



50.1372, 0.3713, 0.3828

Rectangle

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



50.1372, 0.2766, 0.3555



50.1372, 0.2478, 0.3008



50.1372, 0.3484, 0.3038



50.1372, 0.3824, 0.3509

Sweetspot

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



50.1392, 0.2766, 0.3555



95.0301, 0.3012, 0.3361



50.1698, 0.3226, 0.4245



20.2018, 0.2996, 0.3371



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.



50.1392, 0.2766, 0.3555



83.5268, 0.2697, 0.3627



44.4401, 0.2626, 0.3084



12.0151, 0.3020, 0.3355



27.5644, 0.2504, 0.4213



1.3170, 0.2443, 0.3996

Inverse Universe

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



31.4728, 0.3689, 0.3044



46.4976, 0.3881, 0.2986



35.2192, 0.3847, 0.3485



10.6848, 0.3246, 0.3226



8.0016, 0.5812, 0.2975



0.3915, 0.5199, 0.2638

Previews

White Background



This preview shows how the Yxy color 50.1372, 0.2766, 0.3555 looks on a white background.

Color Contrast Check

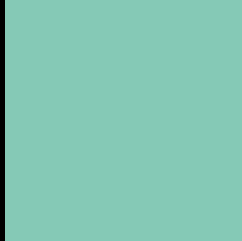
Large Text (above 18pt) WCAG AA × Fail

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 50.1372, 0.2766, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

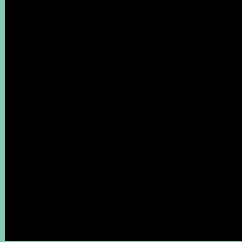
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

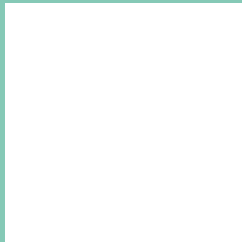
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1372, 0.2766, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 50.1372, 0.2766, 0.3555.

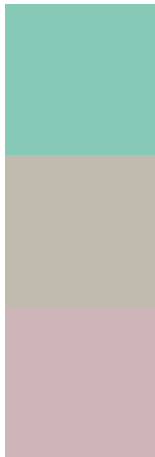


This preview shows how white text looks on a background with the Yxy color 50.1372, 0.2766, 0.3555.

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

50.1372, 0.2766, 0.3555

Protanopia

49.5113, 0.3281, 0.3443

Deuteranopia

49.5721, 0.3294, 0.3230



Tritanopia

50.2614, 0.2623, 0.3090

Trichromacy



Original Color

50.1372, 0.2766, 0.3555

Protanomaly

49.0939, 0.3070, 0.3476

Deuteranomaly

49.0529, 0.3076, 0.3329

Tritanomaly

49.9236, 0.2671, 0.3248

Monochromacy



Original Color

50.1372, 0.2766, 0.3555

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.5173, 0.2977, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1372, 0.2766, 0.3555 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(133, 201, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 201, 182) }
```

Border

The CSS property to change the border of an element to Yxy 50.1372, 0.2766, 0.3555 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, 182) }
```

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

```
.border{ border-color:rgb(133, 201, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 201, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 201, 182);  
box-shadow:4px 4px 4px 4px rgb(133, 201,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1372, 0.2766, 0.3555 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, 182) }
```

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

```
.background{ background-color: rgb(133,  
201, 182) }
```

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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