

Converting Colors

$Y_{xy}(50.8160, 0.2776, 0.3777)$

Have a look what the booklet for
Yxy(50.8160, 0.2776, 0.3777)
contains.

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Color

Yxy(50.8139, 0.2776, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	7BCDAB
RGB	123, 205, 171
RGB Percent	48%, 80%, 67%
CMY	0.5178, 0.1960, 0.3294
CMYK	0.40, 0.00, 0.17, 0.20
HSL	155°, 45%, 64%
HSV	155°, 40%, 80%
XYZ	37.3469, 50.8139, 46.3742
YIQ	176.6060, -37.9580, -27.9580

Conversions

Conversions Part 2

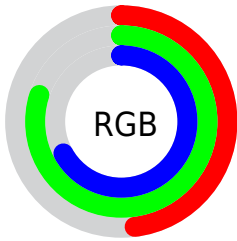
Format	Color
RYB	123, 175, 205
Decimal	8113579
CIELab	76.57, -32.77, 9.12
CIELCh	77, 34.017, 164.448
Yxy	50.8139, 0.2776, 0.3777
Android (android.graphics.Color)	4286303659 (0xFF7BCDAB)
YUV	176.6060, -2.7638, -47.0125
Hunter-Lab	71.2839, -31.2273, 11.3272

Details

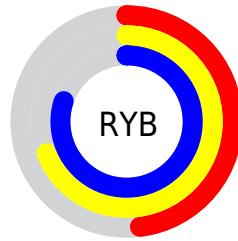
The Yxy color **50.8139, 0.2776, 0.3777** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.5693, 0.3705, 0.2858**, and the grayscale version is **43.7755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5947, 0.2840, 0.3612**, and **24.4098, 0.2675, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **49.1460, 0.2710, 0.3925**, and if you desaturate by 10%, it is **52.8233, 0.2854, 0.3638**.

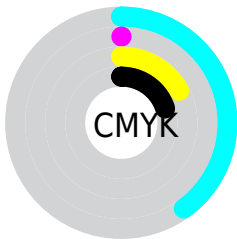
Distribution



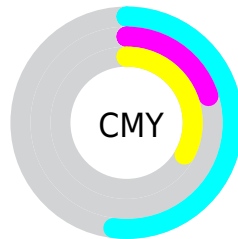
- Red (48%)
- Green (80%)
- Blue (67%)



- Red (48%)
- Yellow (69%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (52%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8139, 0.2776, 0.3777 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 50.8139, 0.2776, 0.3777 by changing the saturation by 10% instead.


 50.8139, 0.2776,
0.3777


 50.8139, 0.2776,
0.3777

389.8403, 0.2953,
0.3529


 36.0605, 0.2732,
0.3840


 91.3796, 0.2840,
0.3686

 24.4809, 0.2675,
0.3922


 117.9608, 0.2864,
0.3652

 15.6908, 0.2599,
0.4033

 149.2533, 0.2885,
0.3624

 9.3056, 0.2492,
0.4190

185.6416, 0.2902,
0.3599

 4.9410, 0.2333,
0.4429

227.5100, 0.2917,
0.3578

 2.2127, 0.2070,
0.4836

275.2430, 0.2931,

 0.7269, 0.0000,

0.3560

0.8253

329.2250, 0.2942,
0.3544

0.0000, 0.0000,
0.0000

50.8139, 0.2776,
0.3777

50.8139, 0.2776,
0.3777

49.1460, 0.2710,
0.3925

52.8233, 0.2854,
0.3638

47.7931, 0.2660,
0.4081

55.1865, 0.2940,
0.3511

46.7346, 0.2627,
0.4242


57.9229, 0.3032,
0.3395

45.9449, 0.2613,
0.4404

61.0484, 0.3127,
0.3290


45.3936, 0.2621,
0.4564


64.5782, 0.3223,
0.3197

 45.0249, 0.2644,
0.4719

 68.5265, 0.3319,
0.3115

 70.6669, 0.3325,
0.3035

 71.1571, 0.3263,
0.2952

 71.6710, 0.3203,
0.2872

Harmonies

Analogous

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



50.8139, 0.3220, 0.4075



50.8139, 0.2776, 0.3777



50.8139, 0.2442, 0.3327

Triad

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



50.8139, 0.2776, 0.3777



50.8139, 0.2580, 0.2548



50.8139, 0.4045, 0.3565

Complementary

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



50.8139, 0.2776, 0.3777



29.5693, 0.3705, 0.2858

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.



50.8139, 0.3853, 0.3195



50.8139, 0.2776, 0.3777



50.8139, 0.2979, 0.2634

Square

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



50.8139, 0.2776, 0.3777



50.8139, 0.2338, 0.2636



50.8139, 0.3450, 0.2865



50.8139, 0.3968, 0.3901

Rectangle

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



50.8139, 0.2776, 0.3777



50.8139, 0.2317, 0.3034



50.8139, 0.3450, 0.2865



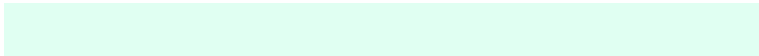
50.8139, 0.4010, 0.3441

Sweetspot

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



50.8160, 0.2776, 0.3777



93.8614, 0.3012, 0.3418



52.2791, 0.3324, 0.4417



19.9594, 0.3000, 0.3433



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.



50.8160, 0.2776, 0.3777



80.8475, 0.2719, 0.3904



49.0831, 0.2565, 0.3194



12.6453, 0.3038, 0.3388



28.0461, 0.2638, 0.4697



1.4618, 0.2553, 0.4392

Inverse Universe

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



29.5693, 0.3705, 0.2858



41.3577, 0.3892, 0.2768



30.3210, 0.4094, 0.3381



11.2895, 0.3226, 0.3194



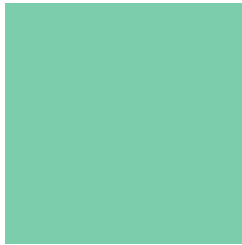
8.5056, 0.5300, 0.2693



0.4538, 0.4795, 0.2415

Previews

White Background



This preview shows how the Yxy color 50.8139, 0.2776, 0.3777 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 50.8139, 0.2776, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

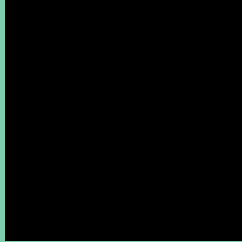
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

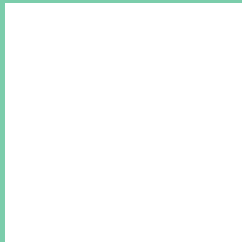
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8139, 0.2776, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 50.8139, 0.2776, 0.3777.



This preview shows how white text looks on a background with the Yxy color 50.8139, 0.2776, 0.3777.

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

50.8139, 0.2776, 0.3777

Protanopia

50.0196, 0.3412, 0.3607

Deuteranopia

50.0312, 0.3431, 0.3351



Tritanopia

50.8215, 0.2574, 0.3076

Trichromacy



Original Color

50.8139, 0.2776, 0.3777



Protanomaly

49.8462, 0.3149, 0.3679



Deuteranomaly

49.4666, 0.3158, 0.3500



Tritanomaly

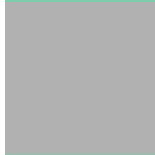
50.6426, 0.2645, 0.3316

Monochromacy



Original Color

50.8139, 0.2776, 0.3777



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

45.8039, 0.2974, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8139, 0.2776, 0.3777 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(123, 205, 171)` looks like.

```
.text, #text, p{  
    color:rgb(123, 205, 171)  
}
```

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(123, 205, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 205, 171) }
```

Border

The CSS property to change the border of an element to Yxy 50.8139, 0.2776, 0.3777 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(123, 205, 171) }
```

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

```
.border{ border-color:rgb(123, 205, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 205, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 205, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 205, 171);  
box-shadow:4px 4px 4px 4px rgb(123, 205,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8139, 0.2776, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 205, 171) }
```

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

```
.background{ background-color: rgb(123,  
205, 171) }
```

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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