

Converting Colors

$Yxy(50.5211, 0.2737, 0.3678)$

Have a look what the booklet for
Yxy(50.5211, 0.2737, 0.3678)
contains.

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Color

Yxy(50.4976, 0.2733, 0.3675)

Conversions

Conversions Part 1

Format	Color
Hex	7ACCB1
RGB	122, 204, 177
RGB Percent	48%, 80%, 69%
CMY	0.5216, 0.2000, 0.3059
CMYK	0.40, 0.00, 0.13, 0.20
HSL	160°, 45%, 64%
HSV	160°, 40%, 80%
XYZ	37.5537, 50.4976, 49.3571
YIQ	176.4040, -40.2050, -25.7810

Conversions

Conversions Part 2

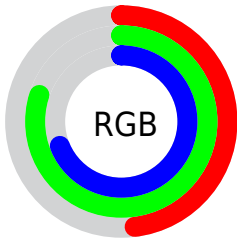
Format	Color
RYB	122, 171, 204
Decimal	8047793
CIELab	76.37, -31.27, 5.63
CIElCh	76, 31.770, 169.795
Yxy	50.4976, 0.2733, 0.3675
Android (android.graphics.Color)	4286237873 (0xFF7ACCB1)
YUV	176.4040, 0.2938, -47.7123
Hunter-Lab	71.0617, -30.0266, 8.5623

Details

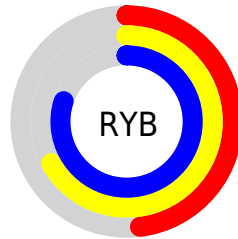
The Yxy color **50.4976, 0.2733, 0.3675** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.9278, 0.3794, 0.2944**, and the grayscale version is **43.6527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8682, 0.2799, 0.3532**, and **24.1434, 0.2622, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **48.9020, 0.2660, 0.3791**, and if you desaturate by 10%, it is **52.4230, 0.2819, 0.3567**.

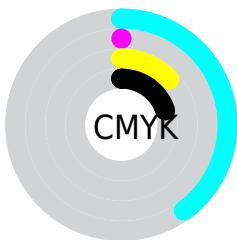
Distribution



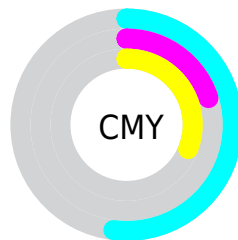
- Red (48%)
- Green (80%)
- Blue (69%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (52%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4976, 0.2733, 0.3675 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 50.4976, 0.2733, 0.3675 by changing the saturation by 10% instead.

 50.4976, 0.2733,
0.3675


 50.4976, 0.2733,
0.3675


388.6087, 0.2929,
0.3481

 35.8089, 0.2684,
0.3724


 90.9117, 0.2804,
0.3604

 24.2867, 0.2622,
0.3787


 117.4059, 0.2831,
0.3577

 15.5464, 0.2540,
0.3872


 148.6042, 0.2853,
0.3555

 9.2038, 0.2426,
0.3991

184.8907, 0.2873,
0.3536

 4.8743, 0.2257,
0.4172

226.6501, 0.2890,
0.3519

 2.1737, 0.1986,
0.4473

274.2666, 0.2904,

 0.7056, 0.0000,

0.3505

0.6531

328.1247, 0.2918,
0.3492

0.0000, 0.0000,
0.0000

50.4976, 0.2733,
0.3675

50.4976, 0.2733,
0.3675

48.9020, 0.2660,
0.3791

52.4230, 0.2819,
0.3567

47.6103, 0.2602,
0.3912

54.6903, 0.2915,
0.3466

46.6023, 0.2562,
0.4037


57.3184, 0.3018,
0.3374


45.8527, 0.2542,
0.4164

60.3229, 0.3125,
0.3292

45.3317, 0.2543,
0.4290

63.7186, 0.3234,
0.3217

 44.9884, 0.2559,
0.4411

 67.5196, 0.3342,
0.3152

 69.8317, 0.3374,
0.3088

 70.2036, 0.3324,
0.3022

 70.5902, 0.3275,
0.2956

Harmonies

Analogous

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



50.4976, 0.3139, 0.3989



50.4976, 0.2733, 0.3675



50.4976, 0.2444, 0.3250

Triad

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



50.4976, 0.2733, 0.3675



50.4976, 0.2672, 0.2595



50.4976, 0.3992, 0.3612

Complementary

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



50.4976, 0.2733, 0.3675



28.9278, 0.3794, 0.2944

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.



50.4976, 0.3855, 0.3264



50.4976, 0.2733, 0.3675



50.4976, 0.3067, 0.2702

Square

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



50.4976, 0.2733, 0.3675



50.4976, 0.2413, 0.2649



50.4976, 0.3506, 0.2940



50.4976, 0.3878, 0.3912

Rectangle

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



50.4976, 0.2733, 0.3675



50.4976, 0.2348, 0.2987



50.4976, 0.3506, 0.2940



50.4976, 0.3974, 0.3498

Sweetspot

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



50.4996, 0.2733, 0.3675



94.0189, 0.2998, 0.3392



51.0144, 0.3270, 0.4442



19.9965, 0.2984, 0.3404



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.



50.4996, 0.2733, 0.3675



81.3638, 0.2670, 0.3772



45.4708, 0.2548, 0.3097



12.6617, 0.3027, 0.3367



28.3326, 0.2554, 0.4394



1.4753, 0.2486, 0.4151

Inverse Universe

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



28.9278, 0.3794, 0.2944



40.9398, 0.4009, 0.2874



31.7583, 0.4062, 0.3470



11.2736, 0.3239, 0.3214



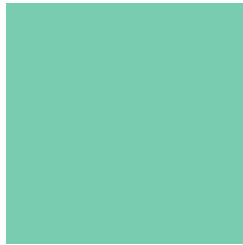
8.3520, 0.5635, 0.2878



0.4449, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 50.4976, 0.2733, 0.3675 looks on a white background.

Color Contrast Check

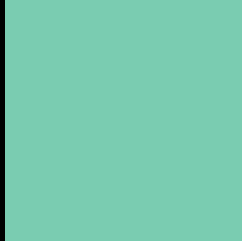
Large Text (above 18pt) WCAG AA × Fail

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 50.4976, 0.2733, 0.3675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

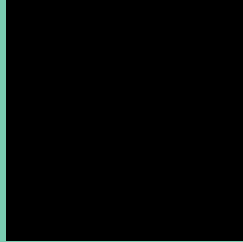
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4976, 0.2733, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 50.4976, 0.2733, 0.3675.

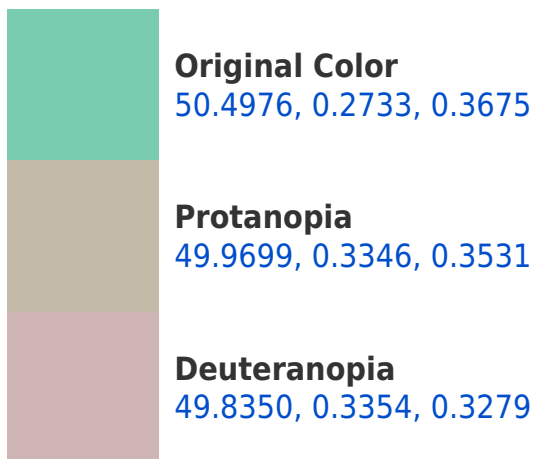


This preview shows how white text looks on a background with the Yxy color 50.4976, 0.2733, 0.3675.

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





Tritanopia

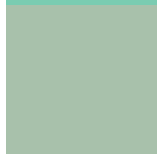
50.5784, 0.2557, 0.3075

Trichromacy



Original Color

50.4976, 0.2733, 0.3675



Protanomaly

49.4050, 0.3089, 0.3585



Deuteranomaly

49.0376, 0.3097, 0.3408



Tritanomaly

50.5795, 0.2622, 0.3289

Monochromacy



Original Color

50.4976, 0.2733, 0.3675



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.3203, 0.2958, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4976, 0.2733, 0.3675 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(122, 204, 177)` looks like.

```
.text, #text, p{  
    color:rgb(122, 204, 177)  
}
```

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(122, 204, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 177) }
```

Border

The CSS property to change the border of an element to Yxy 50.4976, 0.2733, 0.3675 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(122, 204, 177) }
```

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

```
.border{ border-color:rgb(122, 204, 177) }
```

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

Here you see how a box with a 4 pixel rgb(122, 204, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 204, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 204, 177);  
box-shadow:4px 4px 4px 4px rgb(122, 204,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4976, 0.2733, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 204, 177) }
```

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

```
.background{ background-color: rgb(122,  
204, 177) }
```

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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