

Converting Colors

$Yxy(49.1206, 0.2781, 0.3751)$

Have a look what the booklet for
Yxy(49.1206, 0.2781, 0.3751)
contains.

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Color

Yxy(49.3543, 0.2778, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	7BCAAA
RGB	123, 202, 170
RGB Percent	48%, 79%, 67%
CMY	0.5178, 0.2078, 0.3332
CMYK	0.39, 0.00, 0.16, 0.21
HSL	156°, 43%, 64%
HSV	156°, 39%, 79%
XYZ	36.5422, 49.3543, 45.6448
YIQ	174.7310, -36.8120, -26.7000

Conversions

Conversions Part 2

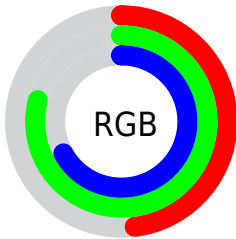
Format	Color
RYB	123, 173, 202
Decimal	8112810
CIELab	75.67, -31.56, 8.37
CIELCh	76, 32.655, 165.148
Yxy	49.3543, 0.2778, 0.3752
Android (android.graphics.Color)	4286302890 (0xFF7BCAAA)
YUV	174.7310, -2.3324, -45.3681
Hunter-Lab	70.2526, -30.0946, 10.6547

Details

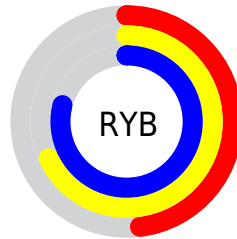
The Yxy color **49.3543, 0.2778, 0.3752** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.0778, 0.3696, 0.2877**, and the grayscale version is **42.7472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4212, 0.2839, 0.3624**, and **23.4407, 0.2675, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **47.7178, 0.2710, 0.3896**, and if you desaturate by 10%, it is **51.3213, 0.2858, 0.3618**.

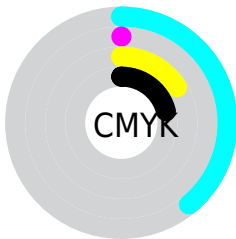
Distribution



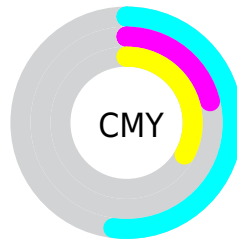
- Red (48%)
- Green (79%)
- Blue (67%)



- Red (48%)
- Yellow (68%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)




- Cyan (52%)
- Magenta (21%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3543, 0.2778, 0.3752 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 49.3543, 0.2778, 0.3752 by changing the saturation by 10% instead.


 49.3543, 0.2778,
0.3752

 49.3543, 0.2778,
0.3752


384.1355, 0.2954,
0.3516

 34.9006, 0.2734,
0.3812


 89.2174, 0.2842,
0.3665

 23.5863, 0.2676,
0.3891


 115.3957, 0.2866,
0.3633

 15.0270, 0.2600,
0.3997


 146.2509, 0.2887,
0.3606

 8.8384, 0.2493,
0.4148

182.1675, 0.2904,
0.3583

 4.6359, 0.2331,
0.4380

223.5299, 0.2919,
0.3563

 2.0353, 0.2064,
0.4778

270.7224, 0.2932,

 0.6278, 0.0000,

0.3545

0.8645

324.1294, 0.2944,
0.3530

0.0000, 0.0000,
0.0000

49.3543, 0.2778,
0.3752

49.3543, 0.2778,
0.3752

47.7178, 0.2710,
0.3896

51.3213, 0.2858,
0.3618

46.3865, 0.2657,
0.4047

53.6307, 0.2945,
0.3495

45.3409, 0.2622,
0.4203

56.3008, 0.3039,
0.3383


44.5565, 0.2606,
0.4361


59.3471, 0.3136,
0.3282


44.0046, 0.2610,
0.4517


62.7839, 0.3233,
0.3192


 43.6367, 0.2632,
0.4670

 66.6251, 0.3330,
0.3112

 43.6081, 0.2634,
0.4683

 69.0639, 0.3352,
0.3036

 69.5266, 0.3292,
0.2956

 70.0109, 0.3232,
0.2878

Harmonies

Analogous

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



49.3543, 0.3208, 0.4046



49.3543, 0.2778, 0.3752



49.3543, 0.2456, 0.3316

Triad

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



49.3543, 0.2778, 0.3752



49.3543, 0.2604, 0.2569



49.3543, 0.4018, 0.3567

Complementary

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



49.3543, 0.2778, 0.3752



29.0778, 0.3696, 0.2877

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.



49.3543, 0.3837, 0.3207



49.3543, 0.2778, 0.3752



49.3543, 0.2995, 0.2656

Square

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



49.3543, 0.2778, 0.3752



49.3543, 0.2363, 0.2652



49.3543, 0.3451, 0.2883



49.3543, 0.3938, 0.3891

Rectangle

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



49.3543, 0.2778, 0.3752



49.3543, 0.2338, 0.3034



49.3543, 0.3451, 0.2883



49.3543, 0.3986, 0.3447

Sweetspot

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



49.3563, 0.2778, 0.3752



93.8795, 0.3010, 0.3415



50.7315, 0.3320, 0.4388



19.9637, 0.2998, 0.3430



0.0000, 0.0000, 0.0000



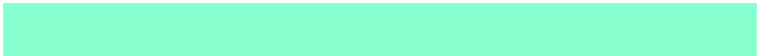
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3563, 0.2778, 0.3752



81.1648, 0.2719, 0.3874



47.6917, 0.2576, 0.3197



12.6472, 0.3036, 0.3385



28.0767, 0.2628, 0.4662



1.4632, 0.2546, 0.4364

Inverse Universe

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



29.0778, 0.3696, 0.2877



42.0752, 0.3882, 0.2790



29.8316, 0.4061, 0.3379



11.2876, 0.3228, 0.3197



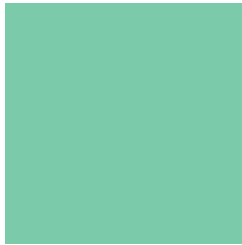
8.4859, 0.5340, 0.2715



0.4527, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 49.3543, 0.2778, 0.3752 looks on a white background.

Color Contrast Check

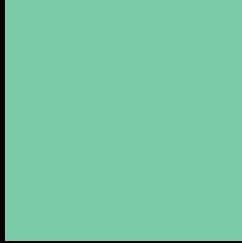
Large Text (above 18pt) WCAG AA × Fail

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 49.3543, 0.2778, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

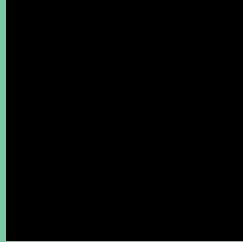
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3543, 0.2778, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 49.3543, 0.2778, 0.3752.



This preview shows how white text looks on a background with the Yxy color 49.3543, 0.2778, 0.3752.

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

49.3543, 0.2778, 0.3752

Protanopia

48.7405, 0.3398, 0.3598

Deuteranopia

48.6007, 0.3408, 0.3340



Tritanopia

49.2199, 0.2579, 0.3074

Trichromacy



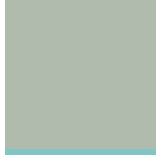
Original Color

49.3543, 0.2778, 0.3752



Protanomaly

48.2668, 0.3142, 0.3657



Deuteranomaly

47.7879, 0.3143, 0.3476



Tritanomaly

49.0865, 0.2646, 0.3302

Monochromacy



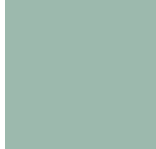
Original Color

49.3543, 0.2778, 0.3752



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

44.7830, 0.2980, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3543, 0.2778, 0.3752 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, 202, 170)` looks like.

```
.text, #text, p{  
    color:rgb(123, 202, 170)  
}
```

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, 202, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 202, 170) }
```

Border

The CSS property to change the border of an element to Yxy 49.3543, 0.2778, 0.3752 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, 202, 170) }
```

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

```
.border{ border-color:rgb(123, 202, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 202, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 202, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 202, 170);  
box-shadow:4px 4px 4px 4px rgb(123, 202,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3543, 0.2778, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 202, 170) }
```

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

```
.background{ background-color: rgb(123,  
202, 170) }
```

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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