

Converting Colors

$Y_{xy}(49.7751, 0.2580, 0.3368)$

Have a look what the booklet for
Yxy(49.7751, 0.2580, 0.3368)
contains.

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Color

Yxy(49.8714, 0.2580, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	73CAC4
RGB	115, 202, 196
RGB Percent	45%, 79%, 77%
CMY	0.5493, 0.2078, 0.2314
CMYK	0.43, 0.00, 0.03, 0.21
HSL	176°, 45%, 62%
HSV	176°, 43%, 79%
XYZ	38.1465, 49.8714, 59.8368
YIQ	175.3030, -49.9260, -20.3100

Conversions

Conversions Part 2

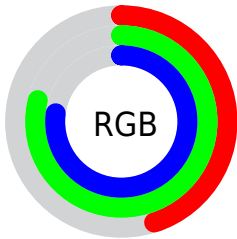
Format	Color
RYB	115, 160, 202
Decimal	7588548
CIELab	75.99, -27.69, -5.22
CIELCh	76, 28.181, 190.666
Yxy	49.8714, 0.2580, 0.3373
Android (android.graphics.Color)	4285778628 (0xFF73CAC4)
YUV	175.3030, 10.2036, -52.8857
Hunter-Lab	70.6197, -27.1644, -0.8033

Details

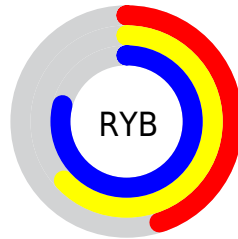
The Yxy color **49.8714, 0.2580, 0.3373** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.1825, 0.4166, 0.3215**, and the grayscale version is **42.9924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2698, 0.2666, 0.3310**, and **24.0323, 0.2440, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **48.5884, 0.2489, 0.3395**, and if you desaturate by 10%, it is **51.4589, 0.2687, 0.3352**.

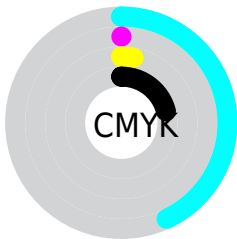
Distribution



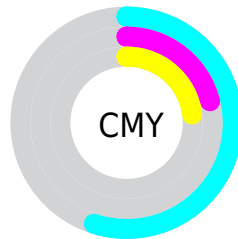
- Red (45%)
- Green (79%)
- Blue (77%)



- Red (45%)
- Yellow (63%)
- Blue (79%)



- Cyan (43%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)





- Cyan (55%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8714, 0.2580, 0.3373 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 49.8714, 0.2580, 0.3373 by changing the saturation by 10% instead.


 49.8714, 0.2580,
0.3373

 49.8714, 0.2580,
0.3373


386.1628, 0.2847,
0.3336


 35.3112, 0.2516,
0.3381


 89.9843, 0.2675,
0.3361

 23.9027, 0.2434,
0.3390


 116.3058, 0.2712,
0.3356

 15.2615, 0.2328,
0.3401


 147.3166, 0.2743,
0.3351

 9.0031, 0.2184,
0.3413

183.4010, 0.2769,
0.3348

 4.7432, 0.1978,
0.3426

224.9434, 0.2792,
0.3344

 2.0974, 0.1665,
0.3433

272.3283, 0.2813,

 0.6632, 0.0000,

0.3341

0.3778

325.9399, 0.2831,
0.3339

0.0000, 0.0000,
0.0000

49.8714, 0.2580,
0.3373

49.8714, 0.2580,
0.3373

48.5884, 0.2489,
0.3395

51.4589, 0.2687,
0.3352

47.5842, 0.2416,
0.3418

53.3631, 0.2809,
0.3331

46.8386, 0.2363,
0.3442


55.6025, 0.2941,
0.3312

46.3260, 0.2328,
0.3465

58.1925, 0.3082,
0.3295

46.0156, 0.2311,
0.3488

61.1478, 0.3229,
0.3279

 45.8813, 0.2307,
0.3503

 64.4818, 0.3378,
0.3265

 67.9532, 0.3517,
0.3253

 68.0213, 0.3506,
0.3238

 68.0900, 0.3495,
0.3224

Harmonies

Analogous

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



49.8714, 0.2880, 0.3732



49.8714, 0.2580, 0.3373



49.8714, 0.2426, 0.3014

Triad

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



49.8714, 0.2580, 0.3373



49.8714, 0.2959, 0.2718



49.8714, 0.3850, 0.3778

Complementary

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



49.8714, 0.2580, 0.3373



26.1825, 0.4166, 0.3215

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.



49.8714, 0.3883, 0.3490



49.8714, 0.2580, 0.3373



49.8714, 0.3350, 0.2901

Square

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



49.8714, 0.2580, 0.3373



49.8714, 0.2634, 0.2664



49.8714, 0.3696, 0.3176



49.8714, 0.3617, 0.3959

Rectangle

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



49.8714, 0.2580, 0.3373



49.8714, 0.2420, 0.2831



49.8714, 0.3696, 0.3176



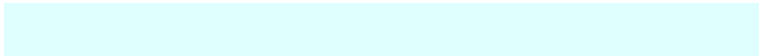
49.8714, 0.3886, 0.3689

Sweetspot

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



49.8734, 0.2580, 0.3373



94.0992, 0.2940, 0.3313



47.6353, 0.3115, 0.4598



19.9489, 0.2910, 0.3317



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.



49.8734, 0.2580, 0.3373



82.3305, 0.2492, 0.3394



35.0786, 0.2458, 0.2754



12.7131, 0.2993, 0.3306



29.5245, 0.2306, 0.3500



1.5272, 0.2293, 0.3455

Inverse Universe

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



26.1825, 0.4166, 0.3215



36.9316, 0.4541, 0.3201



35.9968, 0.4030, 0.3763



11.2260, 0.3279, 0.3274



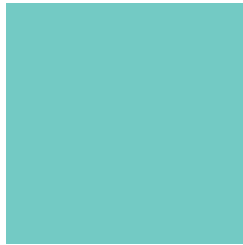
8.1052, 0.6318, 0.3254



0.4226, 0.6053, 0.3108

Previews

White Background



This preview shows how the Yxy color 49.8714, 0.2580, 0.3373 looks on a white background.

Color Contrast Check

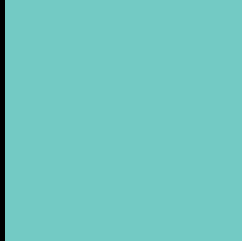
Large Text (above 18pt) WCAG AA × Fail

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 49.8714, 0.2580, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

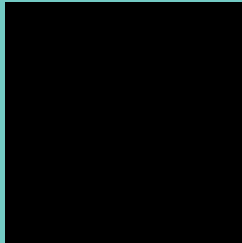
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

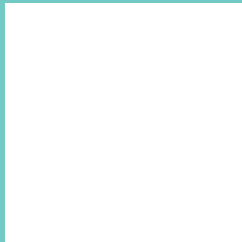
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8714, 0.2580, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 49.8714, 0.2580, 0.3373.

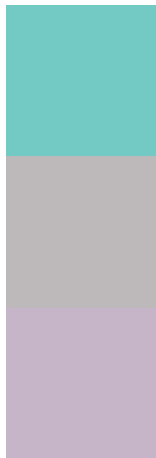


This preview shows how white text looks on a background with the Yxy color 49.8714, 0.2580, 0.3373.

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

49.8714, 0.2580, 0.3373

Protanopia

49.0619, 0.3153, 0.3277

Deuteranopia

49.2236, 0.3121, 0.3058



Tritanopia

49.7462, 0.2497, 0.3072

Trichromacy



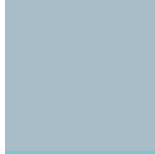
Original Color

49.8714, 0.2580, 0.3373



Protanomaly

48.6607, 0.2907, 0.3303



Deuteranomaly

48.8435, 0.2888, 0.3159



Tritanomaly

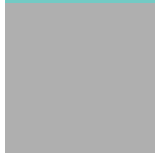
49.7142, 0.2526, 0.3178

Monochromacy



Original Color

49.8714, 0.2580, 0.3373



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

44.8891, 0.2884, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8714, 0.2580, 0.3373 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(115, 202, 196)` looks like.

```
.text, #text, p{  
    color:rgb(115, 202, 196)  
}
```

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(115, 202, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 202, 196) }
```

Border

The CSS property to change the border of an element to Yxy 49.8714, 0.2580, 0.3373 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(115, 202, 196) }
```

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

```
.border{ border-color:rgb(115, 202, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 202, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 202, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 202, 196);  
box-shadow:4px 4px 4px 4px rgb(115, 202,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8714, 0.2580, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 202, 196) }
```

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

```
.background{ background-color: rgb(115,  
202, 196) }
```

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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