

Converting Colors

$Y_{xy}(50.7762, 0.2693, 0.3332)$

Have a look what the booklet for
Yxy(50.7762, 0.2693, 0.3332)
contains.

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Color

Yxy(50.5740, 0.2692, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	88C8C5
RGB	136, 200, 197
RGB Percent	53%, 78%, 77%
CMY	0.4666, 0.2157, 0.2275
CMYK	0.32, 0.00, 0.02, 0.22
HSL	177°, 37%, 66%
HSV	177°, 32%, 78%
XYZ	40.8844, 50.5740, 60.4154
YIQ	180.5220, -37.1810, -14.5010

Conversions

Conversions Part 2

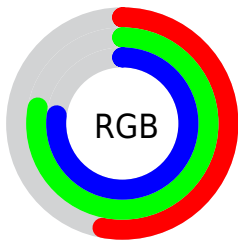
Format	Color
RYB	136, 169, 200
Decimal	8964293
CIELab	76.42, -20.93, -5.00
CIELCh	76, 21.516, 193.439
Yxy	50.5740, 0.2692, 0.3330
Android (android.graphics.Color)	4287154373 (0xFF88C8C5)
YUV	180.5220, 8.1237, -39.0458
Hunter-Lab	71.1154, -21.8318, -0.5885

Details

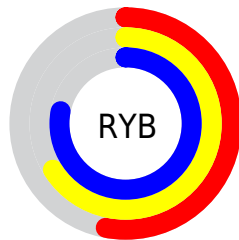
The Yxy color **50.5740, 0.2692, 0.3330** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.7568, 0.3819, 0.3252**, and the grayscale version is **45.9089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7521, 0.2762, 0.3300**, and **24.3799, 0.2580, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **49.0113, 0.2581, 0.3344**, and if you desaturate by 10%, it is **52.4535, 0.2817, 0.3316**.

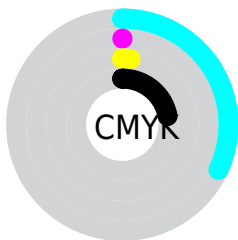
Distribution



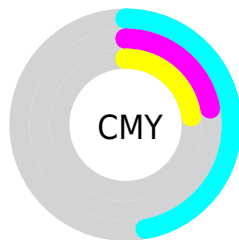
- Red (53%)
- Green (78%)
- Blue (77%)



- Red (53%)
- Yellow (66%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)





- Cyan (47%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5740, 0.2692, 0.3330 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 50.5740, 0.2692, 0.3330 by changing the saturation by 10% instead.


 50.5740, 0.2692,
0.3330

 50.5740, 0.2692,
0.3330


388.9064, 0.2904,
0.3313


 35.8697, 0.2641,
0.3333


 91.0248, 0.2768,
0.3325

 24.3336, 0.2576,
0.3337


 117.5400, 0.2797,
0.3322

 15.5813, 0.2491,
0.3341


 148.7610, 0.2821,
0.3320

 9.2283, 0.2375,
0.3345

185.0722, 0.2843,
0.3319

 4.8904, 0.2209,
0.3347

226.8579, 0.2861,
0.3317

 2.1831, 0.1952,
0.3342

274.5026, 0.2877,

 0.7108, 0.0820,

0.3316

0.3540

328.3906, 0.2892,
0.3314

0.0000, 0.0000,
0.0000

50.5740, 0.2692,
0.3330

50.5740, 0.2692,
0.3330

49.0113, 0.2581,
0.3344

52.4535, 0.2817,
0.3316

47.7420, 0.2487,
0.3359

54.6597, 0.2953,
0.3304

46.7488, 0.2410,
0.3375

57.2097, 0.3098,
0.3292

46.0105, 0.2353,
0.3390

60.1175, 0.3248,
0.3282

45.5026, 0.2315,
0.3406

63.3964, 0.3400,
0.3272

■ 45.1957, 0.2294,
0.3422

■ 66.8660, 0.3545,
0.3264

■ 45.0521, 0.2287,
0.3434

■ 66.9112, 0.3538,
0.3254

■ 66.9566, 0.3531,
0.3244

■ 67.0023, 0.3523,
0.3235

Harmonies

Analogous

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



50.5740, 0.2917, 0.3599



50.5740, 0.2692, 0.3330



50.5740, 0.2583, 0.3064

Triad

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



50.5740, 0.2692, 0.3330



50.5740, 0.3028, 0.2856



50.5740, 0.3667, 0.3685

Complementary

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



50.5740, 0.2692, 0.3330



31.7568, 0.3819, 0.3252

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.



50.5740, 0.3704, 0.3473



50.5740, 0.2692, 0.3330



50.5740, 0.3326, 0.3007

Square

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



50.5740, 0.2692, 0.3330



50.5740, 0.2769, 0.2806



50.5740, 0.3578, 0.3228



50.5740, 0.3481, 0.3804

Rectangle

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



50.5740, 0.2692, 0.3330



50.5740, 0.2586, 0.2927



50.5740, 0.3578, 0.3228



50.5740, 0.3698, 0.3622

Sweetspot

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



50.5760, 0.2692, 0.3330



95.4029, 0.2979, 0.3302



48.5957, 0.3107, 0.4220



20.2926, 0.2959, 0.3303



0.0000, 0.0000, 0.0000



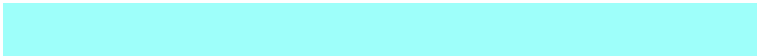
21.4041, 0.3127, 0.3290

Same Dimension

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



50.5760, 0.2692, 0.3330



85.7275, 0.2618, 0.3339



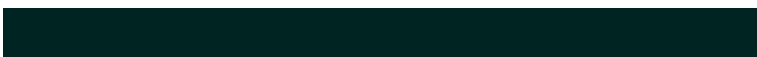
38.6099, 0.2625, 0.2881



12.0586, 0.2990, 0.3301



28.6481, 0.2287, 0.3432



1.3592, 0.2278, 0.3399

Inverse Universe

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



31.7568, 0.3819, 0.3252



48.3809, 0.4028, 0.3244



40.8991, 0.3736, 0.3665



10.6449, 0.3282, 0.3279



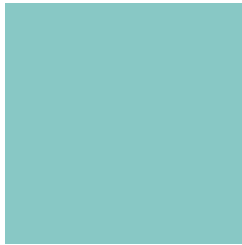
7.8246, 0.6343, 0.3268



0.3734, 0.6145, 0.3159

Previews

White Background



This preview shows how the Yxy color 50.5740, 0.2692, 0.3330 looks on a white background.

Color Contrast Check

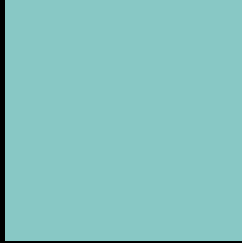
Large Text (above 18pt) WCAG AA × Fail

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 50.5740, 0.2692, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

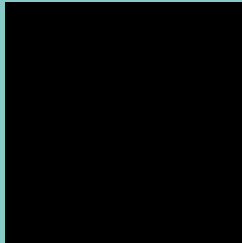
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

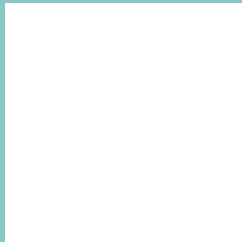
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5740, 0.2692, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 50.5740, 0.2692, 0.3330.

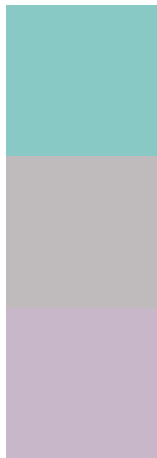


This preview shows how white text looks on a background with the Yxy color 50.5740, 0.2692, 0.3330.

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

50.5740, 0.2692, 0.3330

Protanopia

50.2911, 0.3145, 0.3265

Deuteranopia

49.9523, 0.3130, 0.3060



Tritanopia

50.3120, 0.2617, 0.3077

Trichromacy



Original Color

50.5740, 0.2692, 0.3330

Protanomaly

50.1630, 0.2961, 0.3290

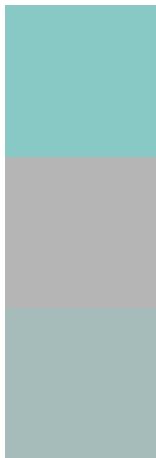
Deuteranomaly

49.9124, 0.2950, 0.3149

Tritanomaly

50.3821, 0.2648, 0.3168

Monochromacy



Original Color

50.5740, 0.2692, 0.3330

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.5536, 0.2950, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5740, 0.2692, 0.3330 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(136, 200, 197)` looks like.

```
.text, #text, p{  
    color:rgb(136, 200, 197)  
}
```

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(136, 200, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 200, 197) }
```

Border

The CSS property to change the border of an element to Yxy 50.5740, 0.2692, 0.3330 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(136, 200, 197) }
```

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

```
.border{ border-color:rgb(136, 200, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 200, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 200, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 200, 197); box-shadow:4px 4px 4px 4px rgb(136, 200, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5740, 0.2692, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 200, 197) }
```

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

```
.background{ background-color: rgb(136,  
200, 197) }
```

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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