

Converting Colors

$Yxy(50.7947, 0.2696, 0.3578)$

Have a look what the booklet for
Yxy(50.7947, 0.2696, 0.3578)
contains.

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Color

Yxy(50.7840, 0.2692, 0.3572)

Conversions

Conversions Part 1

Format	Color
Hex	7ACCB8
RGB	122, 204, 184
RGB Percent	48%, 80%, 72%
CMY	0.5214, 0.2000, 0.2785
CMYK	0.40, 0.00, 0.10, 0.20
HSL	165°, 45%, 64%
HSV	165°, 40%, 80%
XYZ	38.2728, 50.7840, 53.1156
YIQ	177.2020, -42.4520, -23.6040

Conversions

Conversions Part 2

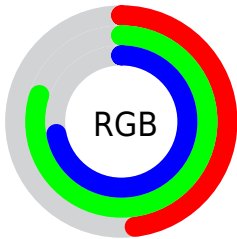
Format	Color
RYB	122, 169, 204
Decimal	8047800
CIELab	76.55, -29.69, 2.12
CIELCh	77, 29.768, 175.907
Yxy	50.7840, 0.2692, 0.3572
Android (android.graphics.Color)	4286237880 (0xFF7ACCB8)
YUV	177.2020, 3.3514, -48.4122
Hunter-Lab	71.2629, -28.8439, 5.6924

Details

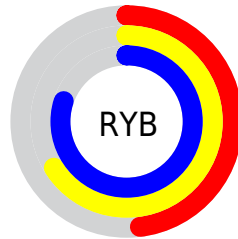
The Yxy color **50.7840, 0.2692, 0.3572** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.7235, 0.3881, 0.3033**, and the grayscale version is **44.0823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2762, 0.2764, 0.3453**, and **24.3269, 0.2571, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **49.2438, 0.2611, 0.3656**, and if you desaturate by 10%, it is **52.6482, 0.2787, 0.3493**.

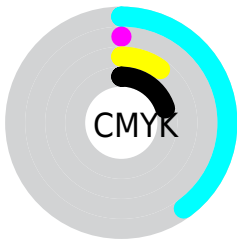
Distribution



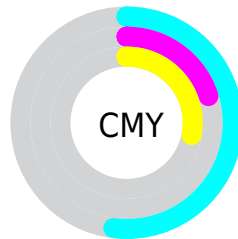
- Red (48%)
- Green (80%)
- Blue (72%)



- Red (48%)
- Yellow (66%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)





- Cyan (52%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7840, 0.2692, 0.3572 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 50.7840, 0.2692, 0.3572 by changing the saturation by 10% instead.


 50.7840, 0.2692,
0.3572

 50.7840, 0.2692,
0.3572


389.7240, 0.2906,
0.3432


 36.0367, 0.2639,
0.3607


 91.3354, 0.2769,
0.3521

 24.4626, 0.2573,
0.3651


 117.9083, 0.2798,
0.3502

 15.6771, 0.2485,
0.3710


 149.1920, 0.2823,
0.3486

 9.2960, 0.2364,
0.3791

185.5706, 0.2844,
0.3472

 4.9347, 0.2189,
0.3912

227.4288, 0.2863,
0.3460

 2.2090, 0.1912,
0.4106

275.1508, 0.2879,

 0.7249, 0.0000,

0.3450

0.5308

329.1211, 0.2894,
0.3440

0.0000, 0.0000,
0.0000

50.7840, 0.2692,
0.3572

50.7840, 0.2692,
0.3572

49.2438, 0.2611,
0.3656

52.6482, 0.2787,
0.3493

48.0018, 0.2546,
0.3743

54.8484, 0.2893,
0.3420

47.0379, 0.2499,
0.3833


57.4034, 0.3006,
0.3352

46.3270, 0.2472,
0.3924


60.3286, 0.3125,
0.3291


45.8394, 0.2465,
0.4015


63.6389, 0.3246,
0.3236

 45.5233, 0.2473,
0.4104

 67.3479, 0.3368,
0.3187

 69.5531, 0.3413,
0.3140

 69.8195, 0.3375,
0.3090

 70.0938, 0.3338,
0.3040

Harmonies

Analogous

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



50.7840, 0.3058, 0.3896



50.7840, 0.2692, 0.3572



50.7840, 0.2450, 0.3176

Triad

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



50.7840, 0.2692, 0.3572



50.7840, 0.2768, 0.2645



50.7840, 0.3933, 0.3659

Complementary

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



50.7840, 0.2692, 0.3572



28.7235, 0.3881, 0.3033

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.



50.7840, 0.3852, 0.3335



50.7840, 0.2692, 0.3572



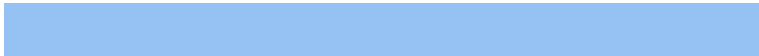
50.7840, 0.3156, 0.2774

Square

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



50.7840, 0.2692, 0.3572



50.7840, 0.2493, 0.2665



50.7840, 0.3560, 0.3020



50.7840, 0.3783, 0.3917

Rectangle

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



50.7840, 0.2692, 0.3572



50.7840, 0.2384, 0.2943



50.7840, 0.3560, 0.3020



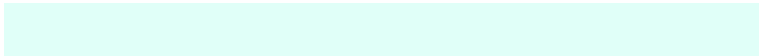
50.7840, 0.3932, 0.3554

Sweetspot

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



50.7860, 0.2692, 0.3572



94.1789, 0.2983, 0.3365



50.3901, 0.3218, 0.4460



20.0343, 0.2968, 0.3374



0.0000, 0.0000, 0.0000



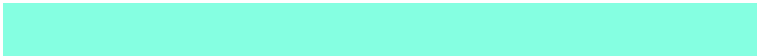
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7860, 0.2692, 0.3572



81.9150, 0.2622, 0.3643



42.5791, 0.2533, 0.2999



12.6784, 0.3015, 0.3347



28.6685, 0.2470, 0.4091



1.4905, 0.2421, 0.3915

Inverse Universe

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



28.7235, 0.3881, 0.3033



40.5527, 0.4128, 0.2982



33.7495, 0.4024, 0.3558



11.2579, 0.3252, 0.3234



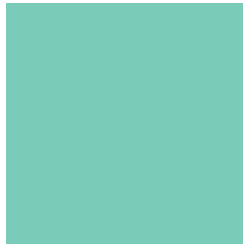
8.2367, 0.5929, 0.3040



0.4373, 0.5358, 0.2725

Previews

White Background



This preview shows how the Yxy color 50.7840, 0.2692, 0.3572 looks on a white background.

Color Contrast Check

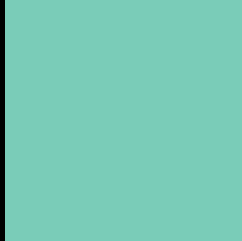
Large Text (above 18pt) WCAG AA × Fail

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 50.7840, 0.2692, 0.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

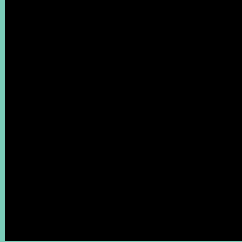
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

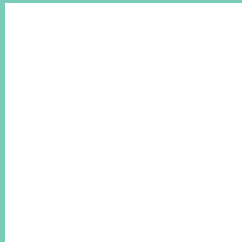
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7840, 0.2692, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 50.7840, 0.2692, 0.3572.

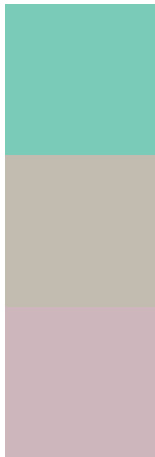


This preview shows how white text looks on a background with the Yxy color 50.7840, 0.2692, 0.3572.

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

50.7840, 0.2692, 0.3572

Protanopia

50.1051, 0.3281, 0.3442

Deuteranopia

50.2518, 0.3277, 0.3206



Tritanopia

50.4990, 0.2551, 0.3075

Trichromacy



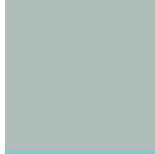
Original Color

50.7840, 0.2692, 0.3572



Protanomaly

49.6791, 0.3038, 0.3490



Deuteranomaly

49.5287, 0.3029, 0.3329



Tritanomaly

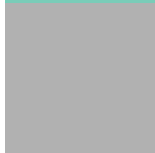
50.6449, 0.2599, 0.3248

Monochromacy



Original Color

50.7840, 0.2692, 0.3572



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.0040, 0.2938, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7840, 0.2692, 0.3572 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(122, 204, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 184) }
```

Border

The CSS property to change the border of an element to Yxy 50.7840, 0.2692, 0.3572 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, 184) }
```

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

```
.border{ border-color:rgb(122, 204, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 204, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 204, 184);  
box-shadow:4px 4px 4px 4px rgb(122, 204,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7840, 0.2692, 0.3572 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, 184) }
```

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

```
.background{ background-color: rgb(122,  
204, 184) }
```

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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