

Converting Colors

$Y_{xy}(50.7500, 0.2704, 0.3596)$

Have a look what the booklet for
Yxy(50.7500, 0.2704, 0.3596)
contains.

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Color

Yxy(50.7007, 0.2703, 0.3601)

Conversions

Conversions Part 1

Format	Color
Hex	7ACCB6
RGB	122, 204, 182
RGB Percent	48%, 80%, 71%
CMY	0.5218, 0.2000, 0.2863
CMYK	0.40, 0.00, 0.11, 0.20
HSL	164°, 45%, 64%
HSV	164°, 40%, 80%
XYZ	38.0572, 50.7007, 52.0383
YIQ	176.9740, -41.8100, -24.2260

Conversions

Conversions Part 2

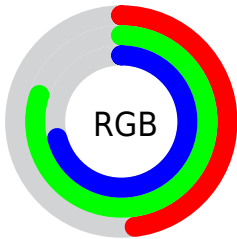
Format	Color
RYB	122, 169, 204
Decimal	8047798
CIELab	76.50, -30.17, 3.11
CIELCh	76, 30.328, 174.116
Yxy	50.7007, 0.2703, 0.3601
Android (android.graphics.Color)	4286237878 (0xFF7ACCB6)
YUV	176.9740, 2.4778, -48.2122
Hunter-Lab	71.2044, -29.2034, 6.5122

Details

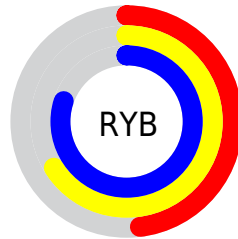
The Yxy color **50.7007, 0.2703, 0.3601** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.7582, 0.3858, 0.3007**, and the grayscale version is **43.9505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1580, 0.2774, 0.3476**, and **24.2732, 0.2585, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **49.1455, 0.2624, 0.3694**, and if you desaturate by 10%, it is **52.5814, 0.2796, 0.3514**.

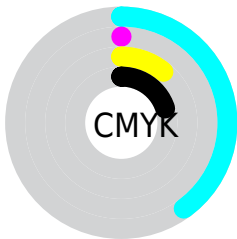
Distribution



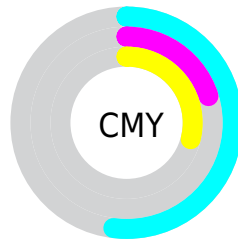
- Red (48%)
- Green (80%)
- Blue (71%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)




- Cyan (52%)
- Magenta (20%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7007, 0.2703, 0.3601 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 50.7007, 0.2703, 0.3601 by changing the saturation by 10% instead.


 50.7007, 0.2703,
0.3601

 50.7007, 0.2703,
0.3601


389.3998, 0.2913,
0.3446


 35.9705, 0.2652,
0.3640


 91.2122, 0.2779,
0.3545

 24.4114, 0.2586,
0.3689


 117.7623, 0.2807,
0.3523

 15.6391, 0.2499,
0.3755


 149.0211, 0.2831,
0.3506

 9.2691, 0.2381,
0.3847

185.3730, 0.2852,
0.3490

 4.9171, 0.2207,
0.3984

227.2024, 0.2870,
0.3477

 2.1987, 0.1932,
0.4208

274.8938, 0.2886,

 0.7193, 0.0000,

0.3465

0.5597

328.8314, 0.2900,
0.3455

0.0000, 0.0000,
0.0000

50.7007, 0.2703,
0.3601

50.7007, 0.2703,
0.3601

49.1455, 0.2624,
0.3694

52.5814, 0.2796,
0.3514

47.8897, 0.2561,
0.3790

54.7995, 0.2899,
0.3433

46.9135, 0.2517,
0.3890


57.3739, 0.3009,
0.3359


46.1916, 0.2492,
0.3991

60.3201, 0.3125,
0.3291

45.6941, 0.2487,
0.4092

63.6528, 0.3242,
0.3231

 45.3707, 0.2497,
0.4189

 67.3859, 0.3361,
0.3177

 69.6345, 0.3402,
0.3126

 69.9297, 0.3361,
0.3071

 70.2345, 0.3320,
0.3017

Harmonies

Analogous

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



50.7007, 0.3081, 0.3923



50.7007, 0.2703, 0.3601



50.7007, 0.2448, 0.3196

Triad

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



50.7007, 0.2703, 0.3601



50.7007, 0.2740, 0.2630



50.7007, 0.3950, 0.3646

Complementary

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



50.7007, 0.2703, 0.3601



28.7582, 0.3858, 0.3007

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.



50.7007, 0.3854, 0.3315



50.7007, 0.2703, 0.3601



50.7007, 0.3131, 0.2753

Square

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



50.7007, 0.2703, 0.3601



50.7007, 0.2470, 0.2660



50.7007, 0.3545, 0.2997



50.7007, 0.3810, 0.3916

Rectangle

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



50.7007, 0.2703, 0.3601



50.7007, 0.2373, 0.2955



50.7007, 0.3545, 0.2997



50.7007, 0.3945, 0.3539

Sweetspot

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



50.7027, 0.2703, 0.3601



94.1340, 0.2987, 0.3373



50.6331, 0.3239, 0.4454



20.0237, 0.2972, 0.3382



0.0000, 0.0000, 0.0000



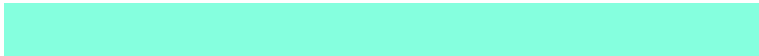
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7027, 0.2703, 0.3601



81.7574, 0.2636, 0.3678



43.7096, 0.2539, 0.3038



12.6737, 0.3019, 0.3353



28.5695, 0.2493, 0.4175



1.4861, 0.2439, 0.3980

Inverse Universe

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



28.7582, 0.3858, 0.3007



40.6578, 0.4095, 0.2952



32.9204, 0.4041, 0.3523



11.2623, 0.3249, 0.3228



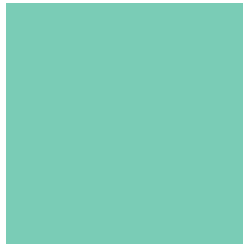
8.2652, 0.5852, 0.2997



0.4393, 0.5280, 0.2682

Previews

White Background



This preview shows how the Yxy color 50.7007, 0.2703, 0.3601 looks on a white background.

Color Contrast Check

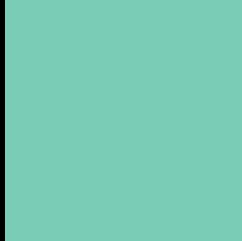
Large Text (above 18pt) WCAG AA × Fail

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 50.7007, 0.2703, 0.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

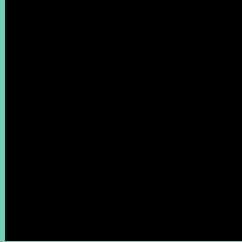
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

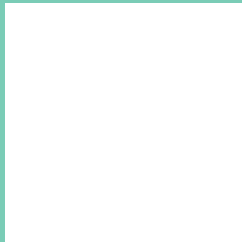
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7007, 0.2703, 0.3601

Background



This preview shows how black text looks on a background with the Yxy color 50.7007, 0.2703, 0.3601.



This preview shows how white text looks on a background with the Yxy color 50.7007, 0.2703, 0.3601.

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

50.7007, 0.2703, 0.3601

Protanopia

50.1599, 0.3305, 0.3467

Deuteranopia

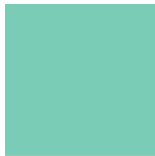
50.1656, 0.3293, 0.3230



Tritanopia

50.4990, 0.2551, 0.3075

Trichromacy



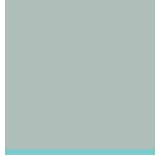
Original Color

50.7007, 0.2703, 0.3601



Protanomaly

49.5993, 0.3053, 0.3517



Deuteranomaly

49.4437, 0.3043, 0.3355



Tritanomaly

50.5971, 0.2605, 0.3261

Monochromacy



Original Color

50.7007, 0.2703, 0.3601



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

45.9634, 0.2945, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7007, 0.2703, 0.3601 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(122, 204, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 182) }
```

Border

The CSS property to change the border of an element to Yxy 50.7007, 0.2703, 0.3601 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, 182) }
```

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

```
.border{ border-color:rgb(122, 204, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 204, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 204, 182);  
box-shadow:4px 4px 4px 4px rgb(122, 204,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7007, 0.2703, 0.3601 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, 182) }
```

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

```
.background{ background-color: rgb(122,  
204, 182) }
```

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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