

Converting Colors

$Yxy(49.7842, 0.2716, 0.3608)$

Have a look what the booklet for
Yxy(49.7842, 0.2716, 0.3608)
contains.

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Color

Yxy(49.6739, 0.2712, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	7ACAB4
RGB	122, 202, 180
RGB Percent	48%, 79%, 71%
CMY	0.5214, 0.2079, 0.2941
CMYK	0.40, 0.00, 0.11, 0.21
HSL	164°, 43%, 64%
HSV	164°, 40%, 79%
XYZ	37.3898, 49.6739, 50.8044
YIQ	175.5720, -40.6180, -23.8020

Conversions

Conversions Part 2

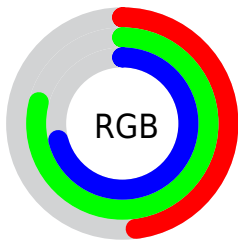
Format	Color
RYB	122, 168, 202
Decimal	8047284
CIELab	75.87, -29.63, 3.27
CIELCh	76, 29.805, 173.700
Yxy	49.6739, 0.2712, 0.3603
Android (android.graphics.Color)	4286237364 (0xFF7ACAB4)
YUV	175.5720, 2.1830, -46.9826
Hunter-Lab	70.4797, -28.6443, 6.5973

Details

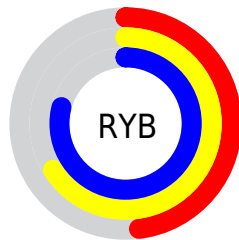
The Yxy color **49.6739, 0.2712, 0.3603** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.4994, 0.3834, 0.3005**, and the grayscale version is **43.1919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0411, 0.2784, 0.3498**, and **23.9411, 0.2603, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **48.1290, 0.2633, 0.3698**, and if you desaturate by 10%, it is **51.5384, 0.2805, 0.3514**.

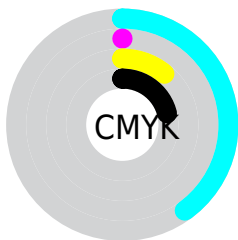
Distribution



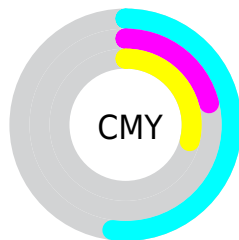
- Red (48%)
- Green (79%)
- Blue (71%)



- Red (48%)
- Yellow (66%)
- Blue (79%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (21%)




- Cyan (52%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6739, 0.2712, 0.3603 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 49.6739, 0.2712, 0.3603 by changing the saturation by 10% instead.


 49.6739, 0.2712,
0.3603

 49.6739, 0.2712,
0.3603


385.3893, 0.2918,
0.3446


 35.1544, 0.2661,
0.3642


 89.6915, 0.2786,
0.3546

 23.7818, 0.2596,
0.3693

 115.9584, 0.2814,
0.3524

 15.1718, 0.2510,
0.3760


 146.9098, 0.2838,
0.3506

 8.9401, 0.2392,
0.3855

182.9302, 0.2859,
0.3491

 4.7021, 0.2218,
0.3996

224.4040, 0.2876,
0.3477

 2.0736, 0.1940,
0.4230

271.7155, 0.2892,

 0.6497, 0.0000,

0.3466

0.5758

325.2491, 0.2906,
0.3455

0.0000, 0.0000,
0.0000

49.6739, 0.2712,
0.3603

49.6739, 0.2712,
0.3603

48.1290, 0.2633,
0.3698

51.5384, 0.2805,
0.3514

46.8784, 0.2569,
0.3797

53.7339, 0.2907,
0.3431

45.9027, 0.2524,
0.3899


56.2789, 0.3017,
0.3356


45.1777, 0.2498,
0.4003

59.1885, 0.3132,
0.3287

44.6745, 0.2492,
0.4106

62.4770, 0.3249,
0.3226

 44.3419, 0.2503,
0.4209

 66.1578, 0.3366,
0.3171

 44.3292, 0.2504,
0.4213

 68.6081, 0.3416,
0.3119

 68.9053, 0.3373,
0.3064

 69.2124, 0.3332,
0.3009

Harmonies

Analogous

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



49.6739, 0.3087, 0.3919



49.6739, 0.2712, 0.3603



49.6739, 0.2457, 0.3203

Triad

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



49.6739, 0.2712, 0.3603



49.6739, 0.2740, 0.2636



49.6739, 0.3942, 0.3639

Complementary

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



49.6739, 0.2712, 0.3603



28.4994, 0.3834, 0.3005

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.



49.6739, 0.3843, 0.3310



49.6739, 0.2712, 0.3603



49.6739, 0.3125, 0.2756

Square

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



49.6739, 0.2712, 0.3603



49.6739, 0.2473, 0.2668



49.6739, 0.3536, 0.2996



49.6739, 0.3807, 0.3907

Rectangle

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



49.6739, 0.2712, 0.3603



49.6739, 0.2381, 0.2963



49.6739, 0.3536, 0.2996



49.6739, 0.3936, 0.3532

Sweetspot

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



49.6759, 0.2712, 0.3603



94.1212, 0.2988, 0.3375



49.6377, 0.3238, 0.4432



20.0207, 0.2974, 0.3384



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.



49.6759, 0.2712, 0.3603



81.9600, 0.2647, 0.3679



42.9658, 0.2547, 0.3043



12.6724, 0.3019, 0.3354



28.5421, 0.2500, 0.4199



1.4848, 0.2444, 0.3999

Inverse Universe

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



28.4994, 0.3834, 0.3005



41.4607, 0.4055, 0.2950



32.5332, 0.4020, 0.3520



11.2635, 0.3248, 0.3226



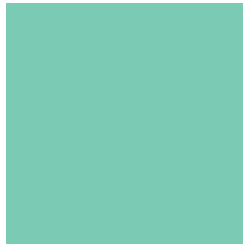
8.2739, 0.5830, 0.2985



0.4399, 0.5258, 0.2670

Previews

White Background



This preview shows how the Yxy color 49.6739, 0.2712, 0.3603 looks on a white background.

Color Contrast Check

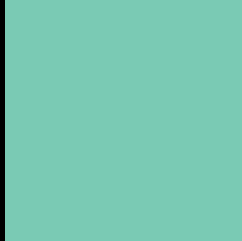
Large Text (above 18pt) WCAG AA × Fail

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 49.6739, 0.2712, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

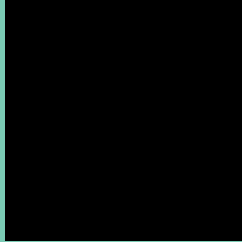
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

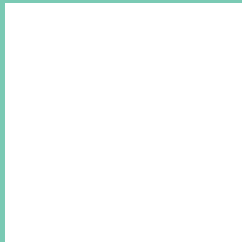
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6739, 0.2712, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 49.6739, 0.2712, 0.3603.



This preview shows how white text looks on a background with the Yxy color 49.6739, 0.2712, 0.3603.

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

49.6739, 0.2712, 0.3603

Protanopia

48.9757, 0.3307, 0.3469

Deuteranopia

48.9827, 0.3295, 0.3229



Tritanopia

49.4824, 0.2558, 0.3074

Trichromacy



Original Color

49.6739, 0.2712, 0.3603

Protanomaly

48.5331, 0.3060, 0.3519

Deuteranomaly

48.3840, 0.3051, 0.3356

Tritanomaly

49.5759, 0.2613, 0.3261

Monochromacy



Original Color

49.6739, 0.2712, 0.3603

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.9402, 0.2951, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6739, 0.2712, 0.3603 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, 202, 180)` looks like.

```
.text, #text, p{  
    color:rgb(122, 202, 180)  
}
```

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, 202, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 202, 180) }
```

Border

The CSS property to change the border of an element to Yxy 49.6739, 0.2712, 0.3603 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, 202, 180) }
```

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

```
.border{ border-color:rgb(122, 202, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 202, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 202, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 202, 180);  
box-shadow:4px 4px 4px 4px rgb(122, 202,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6739, 0.2712, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 202, 180) }
```

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

```
.background{ background-color: rgb(122,  
202, 180) }
```

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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