

Converting Colors

$Y_{xy}(49.7790, 0.2379, 0.3333)$

Have a look what the booklet for
Yxy(49.7790, 0.2379, 0.3333)
contains.

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Color

Yxy(49.8709, 0.2378, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	49CECB
RGB	73, 206, 203
RGB Percent	29%, 81%, 80%
CMY	0.7133, 0.1922, 0.2040
CMYK	0.65, 0.00, 0.01, 0.19
HSL	179°, 58%, 55%
HSV	179°, 65%, 81%
XYZ	35.6028, 49.8709, 64.2438
YIQ	165.8910, -78.3050, -29.1290

Conversions

Conversions Part 2

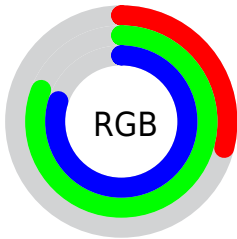
Format	Color
RYB	73, 140, 206
Decimal	4837067
CIELab	75.99, -36.08, -9.14
CIELCh	76, 37.221, 194.220
Yxy	49.8709, 0.2378, 0.3331
Android (android.graphics.Color)	4283027147 (0xFF49CECB)
YUV	165.8910, 18.2947, -81.4654
Hunter-Lab	70.6193, -33.5928, -4.5037

Details

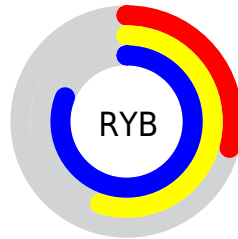
The Yxy color **49.8709, 0.2378, 0.3331** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.4228, 0.5164, 0.3264**, and the grayscale version is **38.0296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **24.3031, 0.2258, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **49.1737, 0.2324, 0.3338**, and if you desaturate by 10%, it is **50.8385, 0.2451, 0.3324**.

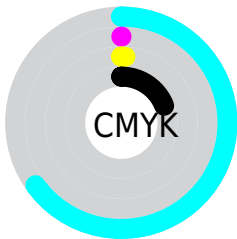
Distribution



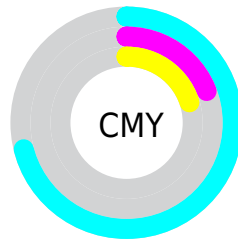
- Red (29%)
- Green (81%)
- Blue (80%)



- Red (29%)
- Yellow (55%)
- Blue (81%)



- Cyan (65%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)





- Cyan (71%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8709, 0.2378, 0.3331 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 49.8709, 0.2378, 0.3331 by changing the saturation by 10% instead.


 49.8709, 0.2378,
0.3331

 49.8709, 0.2378,
0.3331

386.1609, 0.2740,
0.3320

 35.3108, 0.2292,
0.3331


 89.9836, 0.2506,
0.3329


 23.9024, 0.2184,
0.3329


 116.3050, 0.2555,
0.3328

 15.2612, 0.2045,
0.3325


 147.3156, 0.2597,
0.3326

 9.0029, 0.1860,
0.3313

 183.3998, 0.2634,
0.3325

 4.7431, 0.1603,
0.3286

224.9421, 0.2665,
0.3324

 2.0973, 0.1230,
0.3218

272.3267, 0.2693,

 0.6631, 0.0000,

0.3322

0.3186

325.9382, 0.2718,
0.3321

0.0000, 0.0000,
0.0000

49.8709, 0.2378,
0.3331

49.8709, 0.2378,
0.3331

49.1737, 0.2324,
0.3338

50.8385, 0.2451,
0.3324

48.7136, 0.2289,
0.3346

52.0945, 0.2543,
0.3317

48.4593, 0.2271,
0.3353

53.6619, 0.2652,
0.3310

48.3740, 0.2266,
0.3357

55.5598, 0.2776,
0.3304

57.8059, 0.2913,
0.3298

■ 60.4164, 0.3059,
0.3292

■ 63.4069, 0.3212,
0.3287

■ 66.7916, 0.3368,
0.3283

■ 69.9150, 0.3498,
0.3279

Harmonies

Analogous

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



49.8709, 0.2742, 0.3833



49.8709, 0.2378, 0.3331



49.8709, 0.2212, 0.2868

Triad

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



49.8709, 0.2378, 0.3331



49.8709, 0.2959, 0.2574



49.8709, 0.4051, 0.3952

Complementary

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



49.8709, 0.2378, 0.3331



18.4228, 0.5164, 0.3264

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.



49.8709, 0.4138, 0.3581



49.8709, 0.2378, 0.3331



49.8709, 0.3477, 0.2823

Square

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



49.8709, 0.2378, 0.3331



49.8709, 0.2524, 0.2480



49.8709, 0.3924, 0.3179



49.8709, 0.3711, 0.4187

Rectangle

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



49.8709, 0.2378, 0.3331



49.8709, 0.2222, 0.2650



49.8709, 0.3924, 0.3179



49.8709, 0.4113, 0.3838

Sweetspot

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



49.8728, 0.2378, 0.3331



91.8703, 0.2847, 0.3300



46.2233, 0.3051, 0.5346



19.4427, 0.2808, 0.3302



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.



49.8728, 0.2378, 0.3331



79.3765, 0.2310, 0.3341



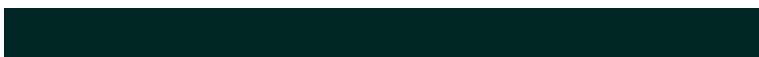
25.8164, 0.2135, 0.2309



12.7225, 0.2987, 0.3295



29.7904, 0.2266, 0.3356



1.5383, 0.2262, 0.3341

Inverse Universe

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



18.4228, 0.5164, 0.3264



24.7119, 0.5780, 0.3270



30.9647, 0.4605, 0.4035



11.2177, 0.3287, 0.3285



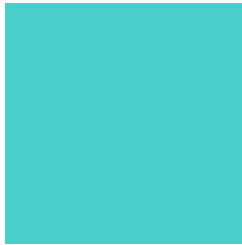
8.0882, 0.6374, 0.3285



0.4187, 0.6281, 0.3234

Previews

White Background



This preview shows how the Yxy color 49.8709, 0.2378, 0.3331 looks on a white background.

Color Contrast Check

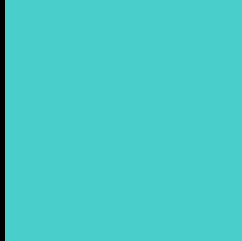
Large Text (above 18pt) WCAG AA × Fail

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 49.8709, 0.2378, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

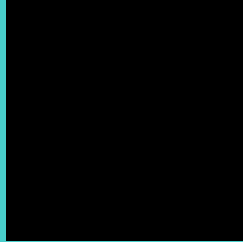
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

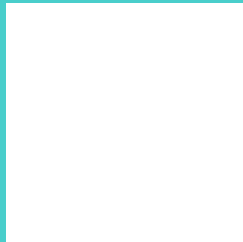
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8709, 0.2378, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 49.8709, 0.2378, 0.3331.

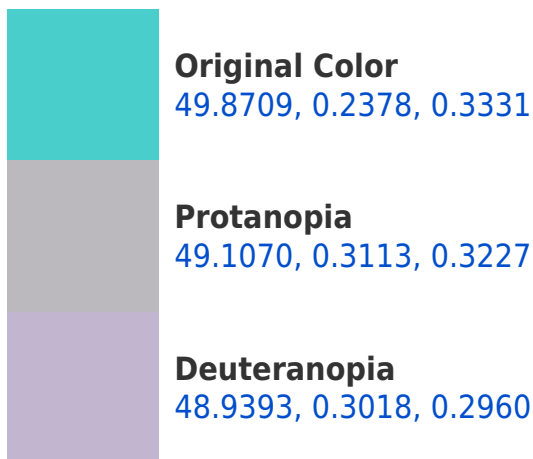


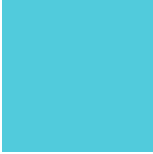
This preview shows how white text looks on a background with the Yxy color 49.8709, 0.2378, 0.3331.

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





Tritanopia

49.6285, 0.2317, 0.3052

Trichromacy



Original Color

49.8709, 0.2378, 0.3331



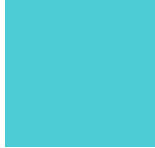
Protanomaly

48.1911, 0.2760, 0.3262



Deuteranomaly

47.6727, 0.2706, 0.3076



Tritanomaly

49.6605, 0.2337, 0.3147

Monochromacy



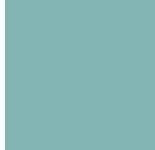
Original Color

49.8709, 0.2378, 0.3331



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.2080, 0.2752, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8709, 0.2378, 0.3331 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(73, 206, 203)` looks like.

```
.text, #text, p{  
    color:rgb(73, 206, 203)  
}
```

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(73, 206, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 206, 203) }
```

Border

The CSS property to change the border of an element to Yxy 49.8709, 0.2378, 0.3331 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(73, 206, 203) }
```

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

```
.border{ border-color:rgb(73, 206, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 206, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 206, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 206, 203);  
box-shadow:4px 4px 4px 4px rgb(73, 206,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8709, 0.2378, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 206, 203) }
```

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

```
.background{ background-color: rgb(73, 206,  
203) }
```

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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