

Converting Colors

$Yxy(50.1579, 0.2406, 0.3623)$

Have a look what the booklet for
Yxy(50.1579, 0.2406, 0.3623)
contains.

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Color

Yxy(49.9188, 0.2405, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	34D1BB
RGB	52, 209, 187
RGB Percent	20%, 82%, 73%
CMY	0.7955, 0.1804, 0.2667
CMYK	0.75, 0.00, 0.11, 0.18
HSL	172°, 63%, 51%
HSV	172°, 75%, 82%
XYZ	33.1918, 49.9188, 54.9010
YIQ	159.5490, -86.5100, -40.1260

Conversions

Conversions Part 2

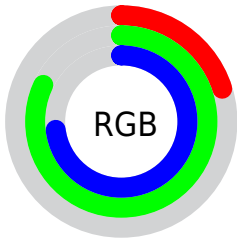
Format	Color
R_{YB}	52, 136, 209
Decimal	3461563
CIE _{Lab}	76.02, -44.53, -0.53
CIE _{LCh}	76, 44.537, 180.684
Yxy	49.9188, 0.2405, 0.3617
Android (android.graphics.Color)	4281651643 (0xFF34D1BB)
YUV	159.5490, 13.5333, -94.3205
Hunter-Lab	70.6532, -39.7866, 3.3860

Details

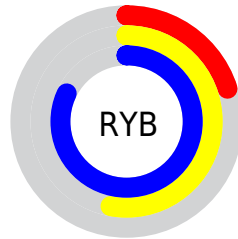
The Yxy color **49.9188, 0.2405, 0.3617** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted spring green. A complement of this color would be **16.5202, 0.5381, 0.3090**, and the grayscale version is **34.9221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2020, 0.2506, 0.3428**, and **24.8324, 0.2360, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **49.3577, 0.2379, 0.3667**, and if you desaturate by 10%, it is **50.7318, 0.2450, 0.3568**.

Distribution



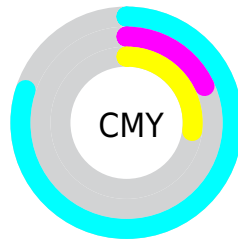
- Red (20%)
- Green (82%)
- Blue (73%)



- Red (20%)
- Yellow (53%)
- Blue (82%)



- Cyan (75%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)





- Cyan (80%)
- Magenta (18%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9188, 0.2405, 0.3617 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 49.9188, 0.2405, 0.3617 by changing the saturation by 10% instead.


 49.9188, 0.2405,
0.3617


 49.9188, 0.2405,
0.3617


386.3483, 0.2758,
0.3458

 35.3489, 0.2320,
0.3655


 90.0546, 0.2531,
0.3560


 23.9317, 0.2212,
0.3703


 116.3892, 0.2579,
0.3539

 15.2830, 0.2072,
0.3766


 147.4142, 0.2620,
0.3520

 9.0182, 0.1883,
0.3850

 183.5139, 0.2655,
0.3504

 4.7531, 0.1617,
0.3967

 225.0728, 0.2686,
0.3490

 2.1031, 0.1183,
0.4158

272.4752, 0.2713,

 0.6664, 0.0000,

0.3478

0.4663

326.1056, 0.2737,
0.3467

■ 0.0000, 0.0000,
0.0000

■ 49.9188, 0.2405,
0.3617

■ 49.9188, 0.2405,
0.3617

■ 49.3577, 0.2379,
0.3667

■ 50.7318, 0.2450,
0.3568

■ 49.0076, 0.2372,
0.3716

■ 51.8198, 0.2514,
0.3519

■ 48.8815, 0.2372,
0.3740

■ 53.2093, 0.2596,
0.3471

■ 54.9225, 0.2694,
0.3426

■ 56.9792, 0.2806,
0.3383

■ 59.3978, 0.2929,
0.3344

■ 62.1953, 0.3059,
0.3307

■ 65.3877, 0.3195,
0.3274

■ 68.9899, 0.3333,
0.3244

Harmonies

Analogous

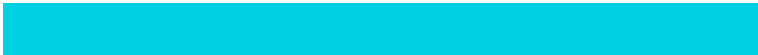
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9188, 0.2912, 0.4173



49.9188, 0.2405, 0.3617



49.9188, 0.2106, 0.3005

Triad

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



49.9188, 0.2405, 0.3617



49.9188, 0.2671, 0.2377



49.9188, 0.4317, 0.3868

Complementary

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



49.9188, 0.2405, 0.3617



16.5202, 0.5381, 0.3090

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.



49.9188, 0.4266, 0.3404



49.9188, 0.2405, 0.3617



49.9188, 0.3259, 0.2591

Square

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



49.9188, 0.2405, 0.3617



49.9188, 0.2250, 0.2358



49.9188, 0.3863, 0.2953



49.9188, 0.4025, 0.4252

Rectangle

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



49.9188, 0.2405, 0.3617



49.9188, 0.2045, 0.2684



49.9188, 0.3863, 0.2953



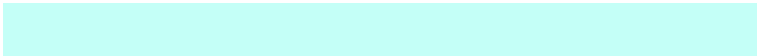
49.9188, 0.4342, 0.3717

Sweetspot

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



49.9207, 0.2405, 0.3617



90.0044, 0.2827, 0.3376



47.3712, 0.3112, 0.5588



18.9907, 0.2784, 0.3391



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.



49.9207, 0.2405, 0.3617



77.0512, 0.2373, 0.3696



28.4811, 0.2085, 0.2424



13.3774, 0.3001, 0.3323



30.1513, 0.2370, 0.3733



1.6939, 0.2345, 0.3643

Inverse Universe

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



16.5202, 0.5381, 0.3090



22.2791, 0.5994, 0.3153



24.3286, 0.5126, 0.3876



11.8349, 0.3269, 0.3258



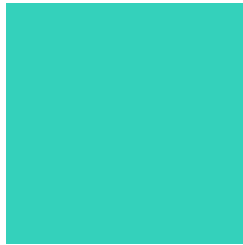
8.4221, 0.6202, 0.3190



0.4799, 0.5771, 0.2953

Previews

White Background



This preview shows how the Yxy color 49.9188, 0.2405, 0.3617 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 49.9188, 0.2405, 0.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

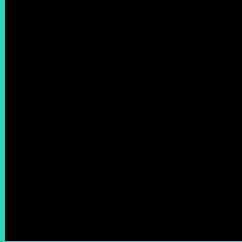
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

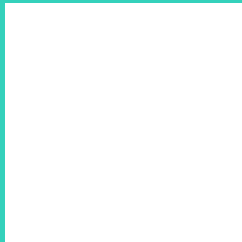
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9188, 0.2405, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 49.9188, 0.2405, 0.3617.

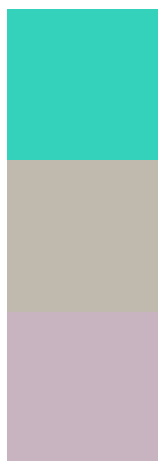


This preview shows how white text looks on a background with the Yxy color 49.9188, 0.2405, 0.3617.

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

49.9188, 0.2405, 0.3617

Protanopia

48.9604, 0.3274, 0.3431

Deuteranopia

48.7721, 0.3195, 0.3131



Tritanopia

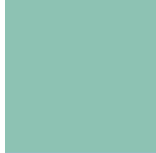
49.8227, 0.2290, 0.3052

Trichromacy



Original Color

49.9188, 0.2405, 0.3617



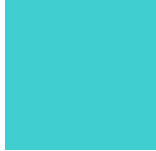
Protanomaly

47.5010, 0.2831, 0.3500



Deuteranomaly

47.1342, 0.2783, 0.3289



Tritanomaly

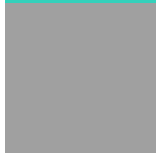
49.8699, 0.2327, 0.3245

Monochromacy



Original Color

49.9188, 0.2405, 0.3617



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.8080, 0.2731, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9188, 0.2405, 0.3617 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(52, 209, 187)` looks like.

```
.text, #text, p{  
  color:rgb(52, 209, 187)  
}
```

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(52, 209, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 209, 187) }
```

Border

The CSS property to change the border of an element to Yxy 49.9188, 0.2405, 0.3617 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(52, 209, 187) }
```

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

```
.border{ border-color:rgb(52, 209, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 209, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(52, 209, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(52, 209, 187); box-shadow:4px 4px 4px 4px rgb(52, 209, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9188, 0.2405, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 209, 187) }
```

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

```
.background{ background-color: rgb(52, 209,  
187) }
```

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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