

Converting Colors

$Y_{xy}(49.0111, 0.2507, 0.3500)$

Have a look what the booklet for
Yxy(49.0111, 0.2507, 0.3500)
contains.

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Color

Yxy(49.0840, 0.2508, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	5BCCBD
RGB	91, 204, 189
RGB Percent	36%, 80%, 74%
CMY	0.6427, 0.2000, 0.2588
CMYK	0.55, 0.00, 0.07, 0.20
HSL	172°, 53%, 58%
HSV	172°, 55%, 80%
XYZ	35.1020, 49.0840, 55.7741
YIQ	168.5030, -62.5330, -28.6210

Conversions

Conversions Part 2

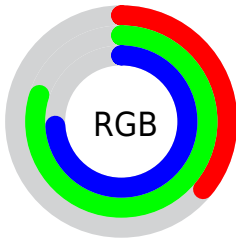
Format	Color
RYB	91, 152, 204
Decimal	6016189
CIELab	75.50, -35.68, -2.26
CIELCh	76, 35.753, 183.624
Yxy	49.0840, 0.2508, 0.3507
Android (android.graphics.Color)	4284206269 (0xFF5BCCBD)
YUV	168.5030, 10.1050, -67.9701
Hunter-Lab	70.0600, -33.1715, 1.8418

Details

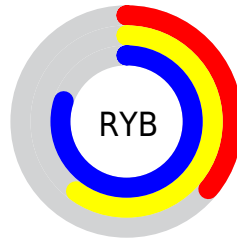
The Yxy color **49.0840, 0.2508, 0.3507** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **21.3815, 0.4544, 0.3109**, and the grayscale version is **39.4064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5966, 0.2606, 0.3401**, and **23.3658, 0.2339, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **48.0682, 0.2444, 0.3553**, and if you desaturate by 10%, it is **50.3876, 0.2590, 0.3462**.

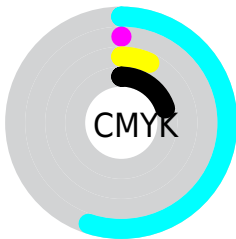
Distribution



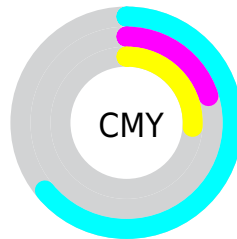
- Red (36%)
- Green (80%)
- Blue (74%)



- Red (36%)
- Yellow (60%)
- Blue (80%)



- Cyan (55%)
- Magenta (0%)
- Yellow (7%)
- Black (20%)




- Cyan (64%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0840, 0.2508, 0.3507 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 49.0840, 0.2508, 0.3507 by changing the saturation by 10% instead.

 49.0840, 0.2508,
0.3507


 49.0840, 0.2508,
0.3507

383.0729, 0.2812,
0.3403


 34.6861, 0.2434,
0.3532


 88.8162, 0.2617,
0.3470


 23.4212, 0.2341,
0.3563


 114.9193, 0.2658,
0.3456

 14.9048, 0.2219,
0.3602


 145.6929, 0.2693,
0.3444

 8.7526, 0.2054,
0.3655

 181.5215, 0.2723,
0.3433

 4.5802, 0.1818,
0.3727

222.7894, 0.2750,
0.3424

 2.0031, 0.1454,
0.3831

269.8810, 0.2773,

 0.6093, 0.0000,

0.3416

0.4259

323.1807, 0.2793,
0.3409

0.0000, 0.0000,
0.0000

49.0840, 0.2508,
0.3507

49.0840, 0.2508,
0.3507

48.0682, 0.2444,
0.3553

50.3876, 0.2590,
0.3462

47.3112, 0.2399,
0.3599

51.9942, 0.2689,
0.3420

46.7876, 0.2373,
0.3646

53.9244, 0.2801,
0.3379

46.4642, 0.2365,
0.3692

56.1956, 0.2924,
0.3342

46.3521, 0.2365,
0.3714

58.8239, 0.3055,
0.3307

■ 61.8243, 0.3191,
0.3276

■ 65.2110, 0.3330,
0.3248

■ 68.9974, 0.3470,
0.3223

■ 69.2641, 0.3455,
0.3195

Harmonies

Analogous

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



49.0840, 0.2915, 0.3954



49.0840, 0.2508, 0.3507



49.0840, 0.2274, 0.3027

Triad

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



49.0840, 0.2508, 0.3507



49.0840, 0.2801, 0.2545



49.0840, 0.4082, 0.3815

Complementary

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



49.0840, 0.2508, 0.3507



21.3815, 0.4544, 0.3109

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.



49.0840, 0.4062, 0.3436



49.0840, 0.2508, 0.3507



49.0840, 0.3288, 0.2737

Square

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



49.0840, 0.2508, 0.3507



49.0840, 0.2433, 0.2516



49.0840, 0.3763, 0.3053



49.0840, 0.3831, 0.4100

Rectangle

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



49.0840, 0.2508, 0.3507



49.0840, 0.2233, 0.2774



49.0840, 0.3763, 0.3053



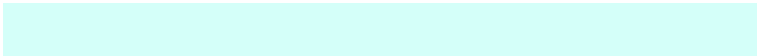
49.0840, 0.4108, 0.3694

Sweetspot

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



49.0859, 0.2508, 0.3507



92.3201, 0.2900, 0.3349



47.0130, 0.3136, 0.5006



19.5912, 0.2874, 0.3356



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.



49.0859, 0.2508, 0.3507



79.3959, 0.2436, 0.3560



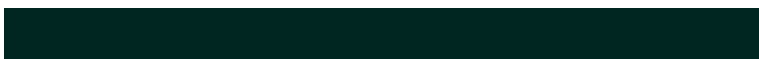
32.6437, 0.2300, 0.2658



12.7004, 0.3001, 0.3321



29.1877, 0.2363, 0.3707



1.5131, 0.2338, 0.3617

Inverse Universe

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



21.3815, 0.4544, 0.3109



29.1328, 0.5035, 0.3095



30.2336, 0.4430, 0.3815



11.2375, 0.3269, 0.3260



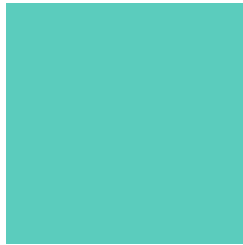
8.1379, 0.6215, 0.3197



0.4280, 0.5774, 0.2954

Previews

White Background



This preview shows how the Yxy color 49.0840, 0.2508, 0.3507 looks on a white background.

Color Contrast Check

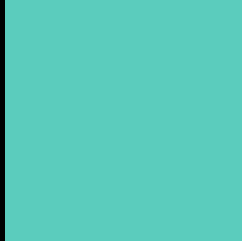
Large Text (above 18pt) WCAG AA × Fail

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 49.0840, 0.2508, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

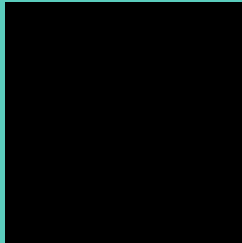
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

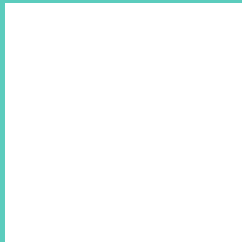
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0840, 0.2508, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 49.0840, 0.2508, 0.3507.

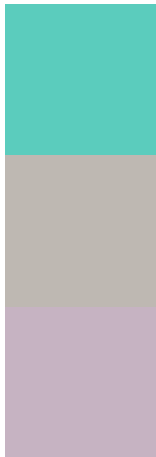


This preview shows how white text looks on a background with the Yxy color 49.0840, 0.2508, 0.3507.

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

49.0840, 0.2508, 0.3507

Protanopia

48.4425, 0.3226, 0.3367

Deuteranopia

48.1410, 0.3170, 0.3105



Tritanopia

49.0331, 0.2403, 0.3067

Trichromacy



Original Color

49.0840, 0.2508, 0.3507



Protanomaly

47.5090, 0.2902, 0.3413



Deuteranomaly

47.1431, 0.2869, 0.3236



Tritanomaly

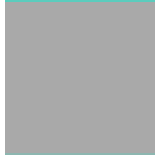
48.7709, 0.2438, 0.3217

Monochromacy



Original Color

49.0840, 0.2508, 0.3507



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.2532, 0.2840, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0840, 0.2508, 0.3507 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(91, 204, 189)` looks like.

```
.text, #text, p{  
    color:rgb(91, 204, 189)  
}
```

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(91, 204, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 204, 189) }
```

Border

The CSS property to change the border of an element to Yxy 49.0840, 0.2508, 0.3507 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(91, 204, 189) }
```

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

```
.border{ border-color:rgb(91, 204, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 204, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 204, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 204, 189);  
box-shadow:4px 4px 4px 4px rgb(91, 204,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0840, 0.2508, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 204, 189) }
```

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

```
.background{ background-color: rgb(91, 204,  
189) }
```

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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