

Converting Colors

$Y_{xy}(49.0935, 0.2527, 0.3616)$

Have a look what the booklet for
Yxy(49.0935, 0.2527, 0.3616)
contains.

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Color

Yxy(49.1078, 0.2525, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	57CDB7
RGB	87, 205, 183
RGB Percent	34%, 80%, 72%
CMY	0.6587, 0.1961, 0.2824
CMYK	0.58, 0.00, 0.11, 0.20
HSL	169°, 54%, 57%
HSV	169°, 58%, 80%
XYZ	34.3102, 49.1078, 52.4641
YIQ	167.2100, -63.2660, -31.8580

Conversions

Conversions Part 2

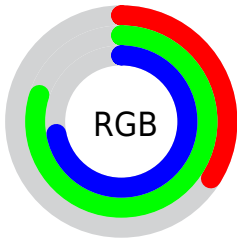
Format	Color
RYB	87, 152, 205
Decimal	5754295
CIELab	75.52, -38.46, 1.00
CIELCh	76, 38.476, 178.517
Yxy	49.1078, 0.2525, 0.3614
Android (android.graphics.Color)	4283944375 (0xFF57CDB7)
YUV	167.2100, 7.7845, -70.3442
Hunter-Lab	70.0770, -35.2397, 4.6656

Details

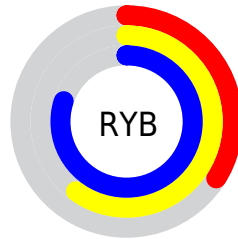
The Yxy color **49.1078, 0.2525, 0.3614** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.9065, 0.4536, 0.3025**, and the grayscale version is **38.7405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9550, 0.2620, 0.3471**, and **23.4244, 0.2363, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **48.1016, 0.2469, 0.3681**, and if you desaturate by 10%, it is **50.4023, 0.2599, 0.3549**.

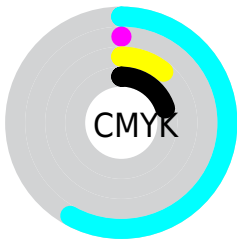
Distribution



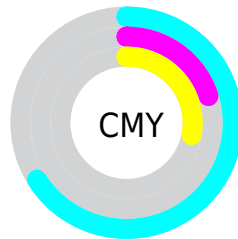
- Red (34%)
- Green (80%)
- Blue (72%)



- Red (34%)
- Yellow (60%)
- Blue (80%)



- Cyan (58%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)





- Cyan (66%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1078, 0.2525, 0.3614 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 49.1078, 0.2525, 0.3614 by changing the saturation by 10% instead.

 49.1078, 0.2525,
0.3614


 49.1078, 0.2525,
0.3614


383.1665, 0.2822,
0.3454

 34.7050, 0.2452,
0.3653


 88.8515, 0.2632,
0.3556

 23.4357, 0.2360,
0.3704


 114.9613, 0.2672,
0.3534

 14.9156, 0.2239,
0.3770


 145.7421, 0.2707,
0.3516

 8.7602, 0.2074,
0.3861

 181.5784, 0.2736,
0.3500

 4.5851, 0.1837,
0.3994

222.8546, 0.2762,
0.3486

 2.0059, 0.1456,
0.4209

269.9551, 0.2784,

 0.6109, 0.0000,

0.3474

0.5064

323.2643, 0.2804,
0.3463

■ 0.0000, 0.0000,
0.0000

■ 49.1078, 0.2525,
0.3614

■ 49.1078, 0.2525,
0.3614

■ 48.1016, 0.2469,
0.3681

■ 50.4023, 0.2599,
0.3549

■ 47.3535, 0.2432,
0.3748

■ 52.0010, 0.2690,
0.3487

■ 46.8368, 0.2415,
0.3816

■ 53.9252, 0.2793,
0.3429

■ 46.5114, 0.2415,
0.3883

■ 56.1929, 0.2908,
0.3375

■ 46.4441, 0.2416,
0.3899

■ 58.8205, 0.3031,
0.3325

■ 61.8235, 0.3159,
0.3279

■ 65.2166, 0.3289,
0.3239

■ 69.0134, 0.3420,
0.3202

■ 69.9547, 0.3422,
0.3165

Harmonies

Analogous

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



49.1078, 0.2982, 0.4072



49.1078, 0.2525, 0.3614



49.1078, 0.2241, 0.3085

Triad

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



49.1078, 0.2525, 0.3614



49.1078, 0.2698, 0.2476



49.1078, 0.4172, 0.3782

Complementary

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



49.1078, 0.2525, 0.3614



20.9065, 0.4536, 0.3025

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.



49.1078, 0.4099, 0.3370



49.1078, 0.2525, 0.3614



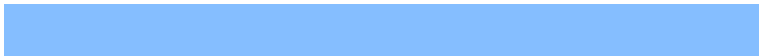
49.1078, 0.3206, 0.2654

Square

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



49.1078, 0.2525, 0.3614



49.1078, 0.2336, 0.2476



49.1078, 0.3733, 0.2971



49.1078, 0.3943, 0.4118

Rectangle

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



49.1078, 0.2525, 0.3614



49.1078, 0.2173, 0.2794



49.1078, 0.3733, 0.2971



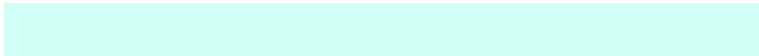
49.1078, 0.4184, 0.3648

Sweetspot

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



49.1097, 0.2525, 0.3614



92.1750, 0.2912, 0.3373



47.7074, 0.3184, 0.5053



19.5566, 0.2888, 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.



49.1097, 0.2525, 0.3614



78.4675, 0.2459, 0.3696



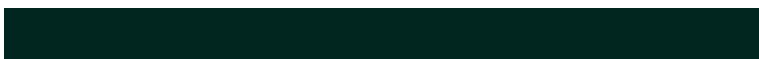
35.0397, 0.2299, 0.2753



12.6897, 0.3008, 0.3334



28.9259, 0.2414, 0.3889



1.5018, 0.2377, 0.3759

Inverse Universe

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



20.9065, 0.4536, 0.3025



28.0264, 0.5038, 0.3007



27.6917, 0.4571, 0.3733



11.2473, 0.3261, 0.3247



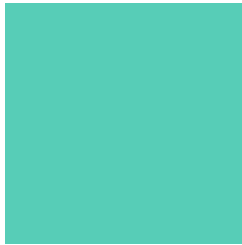
8.1785, 0.6093, 0.3130



0.4325, 0.5563, 0.2838

Previews

White Background



This preview shows how the Yxy color 49.1078, 0.2525, 0.3614 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 49.1078, 0.2525, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

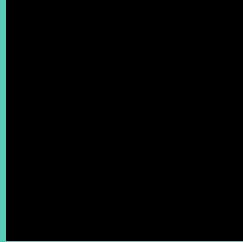
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

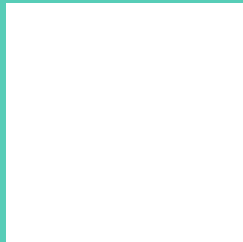
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1078, 0.2525, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 49.1078, 0.2525, 0.3614.

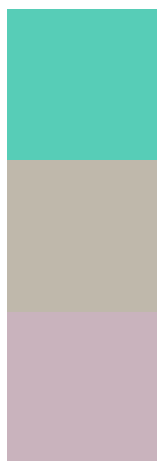


This preview shows how white text looks on a background with the Yxy color 49.1078, 0.2525, 0.3614.

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

49.1078, 0.2525, 0.3614

Protanopia

48.2976, 0.3291, 0.3457

Deuteranopia

48.3318, 0.3237, 0.3167



Tritanopia

48.9191, 0.2395, 0.3067

Trichromacy



Original Color

49.1078, 0.2525, 0.3614



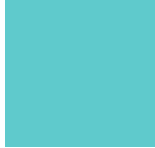
Protanomaly

47.5667, 0.2944, 0.3525



Deuteranomaly

47.0279, 0.2911, 0.3303



Tritanomaly

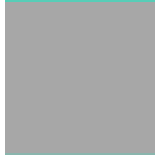
49.0336, 0.2442, 0.3260

Monochromacy



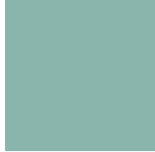
Original Color

49.1078, 0.2525, 0.3614



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.4682, 0.2838, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1078, 0.2525, 0.3614 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(87, 205, 183)` looks like.

```
.text, #text, p{  
    color:rgb(87, 205, 183)  
}
```

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(87, 205, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 205, 183) }
```

Border

The CSS property to change the border of an element to Yxy 49.1078, 0.2525, 0.3614 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(87, 205, 183) }
```

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

```
.border{ border-color:rgb(87, 205, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 205, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 205, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 205, 183);  
box-shadow:4px 4px 4px 4px rgb(87, 205,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1078, 0.2525, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 205, 183) }
```

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

```
.background{ background-color: rgb(87, 205,  
183) }
```

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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