

Converting Colors

$Yxy(49.5107, 0.2454, 0.3512)$

Have a look what the booklet for
Yxy(49.5107, 0.2454, 0.3512)
contains.

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Color

Yxy(49.5239, 0.2452, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	4ECEBF
RGB	78, 206, 191
RGB Percent	31%, 81%, 75%
CMY	0.6943, 0.1921, 0.2509
CMYK	0.62, 0.00, 0.07, 0.19
HSL	173°, 57%, 56%
HSV	173°, 62%, 81%
XYZ	34.6159, 49.5239, 57.0344
YIQ	166.0180, -71.4730, -31.8010

Conversions

Conversions Part 2

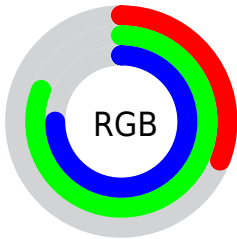
Format	Color
RYB	78, 146, 206
Decimal	5164735
CIELab	75.78, -38.52, -2.99
CIELCh	76, 38.636, 184.433
Yxy	49.5239, 0.2452, 0.3508
Android (android.graphics.Color)	4283354815 (0xFF4ECEBF)
YUV	166.0180, 12.3161, -77.1918
Hunter-Lab	70.3732, -35.3507, 1.2093

Details

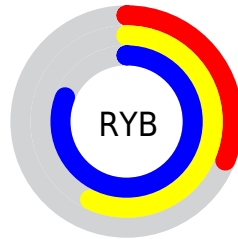
The Yxy color **49.5239, 0.2452, 0.3508** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.3553, 0.4863, 0.3122**, and the grayscale version is **38.1040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8108, 0.2555, 0.3379**, and **23.9682, 0.2320, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **48.6829, 0.2400, 0.3549**, and if you desaturate by 10%, it is **50.6428, 0.2523, 0.3468**.

Distribution



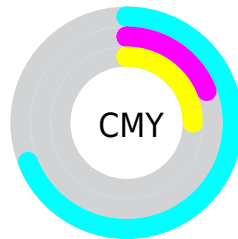
- Red (31%)
- Green (81%)
- Blue (75%)



- Red (31%)
- Yellow (57%)
- Blue (81%)



- Cyan (62%)
- Magenta (0%)
- Yellow (7%)
- Black (19%)





- Cyan (69%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5239, 0.2452, 0.3508 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 49.5239, 0.2452, 0.3508 by changing the saturation by 10% instead.

 49.5239, 0.2452,
0.3508

 49.5239, 0.2452,
0.3508


384.8012, 0.2782,
0.3404

 35.0353, 0.2372,
0.3532


 89.4691, 0.2570,
0.3472

 23.6900, 0.2272,
0.3562


 115.6944, 0.2615,
0.3458

 15.1038, 0.2141,
0.3600


 146.6007, 0.2653,
0.3446

 8.8923, 0.1965,
0.3649

 182.5724, 0.2686,
0.3435

 4.6710, 0.1715,
0.3715

223.9939, 0.2714,
0.3426

 2.0555, 0.1333,
0.3807

271.2496, 0.2740,

 0.6395, 0.0000,

0.3418

0.4140

324.7239, 0.2762,
0.3411

0.0000, 0.0000,
0.0000

49.5239, 0.2452,
0.3508

49.5239, 0.2452,
0.3508

48.6829, 0.2400,
0.3549

50.6428, 0.2523,
0.3468

48.0877, 0.2367,
0.3589

52.0571, 0.2612,
0.3429

47.7086, 0.2352,
0.3630

53.7891, 0.2716,
0.3393

47.5183, 0.2350,
0.3661

55.8577, 0.2834,
0.3358

58.2801, 0.2962,
0.3326

61.0726, 0.3097,
0.3296

64.2501, 0.3237,
0.3269

67.8269, 0.3379,
0.3245

70.1952, 0.3456,
0.3223

Harmonies

Analogous

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



49.5239, 0.2883, 0.3999



49.5239, 0.2452, 0.3508



49.5239, 0.2209, 0.2991

Triad

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



49.5239, 0.2452, 0.3508



49.5239, 0.2789, 0.2497



49.5239, 0.4150, 0.3858

Complementary

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



49.5239, 0.2452, 0.3508



19.3553, 0.4863, 0.3122

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.



49.5239, 0.4140, 0.3453



49.5239, 0.2452, 0.3508



49.5239, 0.3314, 0.2706

Square

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



49.5239, 0.2452, 0.3508



49.5239, 0.2391, 0.2460



49.5239, 0.3824, 0.3045



49.5239, 0.3870, 0.4166

Rectangle

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



49.5239, 0.2452, 0.3508



49.5239, 0.2172, 0.2723



49.5239, 0.3824, 0.3045



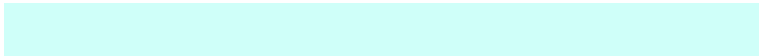
49.5239, 0.4182, 0.3728

Sweetspot

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



49.5258, 0.2452, 0.3508



91.5808, 0.2871, 0.3348



47.1296, 0.3126, 0.5230



19.3716, 0.2834, 0.3358



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.



49.5258, 0.2452, 0.3508



78.4628, 0.2385, 0.3564



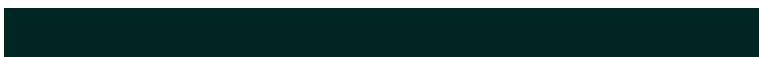
30.8901, 0.2214, 0.2563



12.7036, 0.2999, 0.3317



29.2678, 0.2349, 0.3655



1.5165, 0.2327, 0.3577

Inverse Universe

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



19.3553, 0.4863, 0.3122



25.5727, 0.5475, 0.3129



28.3168, 0.4657, 0.3861



11.2347, 0.3272, 0.3263



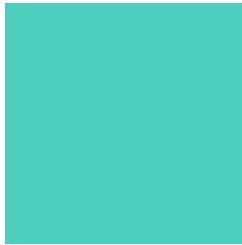
8.1284, 0.6244, 0.3214



0.4266, 0.5839, 0.2990

Previews

White Background



This preview shows how the Yxy color 49.5239, 0.2452, 0.3508 looks on a white background.

Color Contrast Check

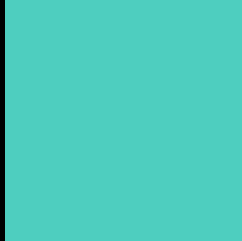
Large Text (above 18pt) WCAG AA × Fail

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 49.5239, 0.2452, 0.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

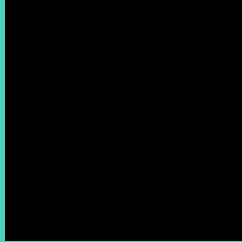
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

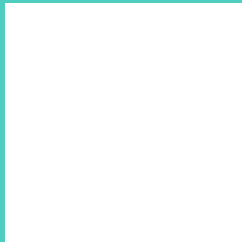
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5239, 0.2452, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 49.5239, 0.2452, 0.3508.

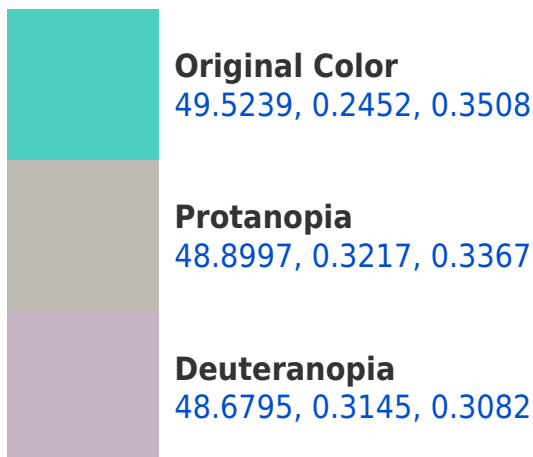


This preview shows how white text looks on a background with the Yxy color 49.5239, 0.2452, 0.3508.

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

49.4767, 0.2355, 0.3066

Trichromacy



Original Color

49.5239, 0.2452, 0.3508

Protanomaly

47.9484, 0.2860, 0.3427

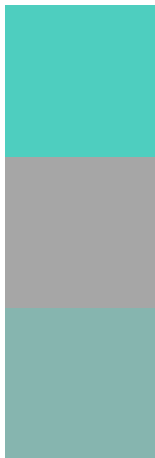
Deuteranomaly

47.2053, 0.2812, 0.3208

Tritanomaly

49.2444, 0.2390, 0.3217

Monochromacy



Original Color

49.5239, 0.2452, 0.3508

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

41.2112, 0.2794, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5239, 0.2452, 0.3508 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(78, 206, 191)` looks like.

```
.text, #text, p{  
    color:rgb(78, 206, 191)  
}
```

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(78, 206, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 206, 191) }
```

Border

The CSS property to change the border of an element to Yxy 49.5239, 0.2452, 0.3508 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(78, 206, 191) }
```

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

```
.border{ border-color:rgb(78, 206, 191) }
```

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

Here you see how a box with a 4 pixel rgb(78, 206, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 206, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 206, 191);  
box-shadow:4px 4px 4px 4px rgb(78, 206,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5239, 0.2452, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 206, 191) }
```

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

```
.background{ background-color: rgb(78, 206,  
191) }
```

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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