

Converting Colors

$Y_{xy}(49.0776, 0.2396, 0.3495)$

Have a look what the booklet for
Yxy(49.0776, 0.2396, 0.3495)
contains.

Yxy(48.9725, 0.2396, 0.3496)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9725, 0.2396, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	3ECEC0
RGB	62, 206, 192
RGB Percent	24%, 81%, 75%
CMY	0.7575, 0.1921, 0.2471
CMYK	0.70, 0.00, 0.07, 0.19
HSL	174°, 60%, 53%
HSV	174°, 70%, 81%
XYZ	33.5635, 48.9725, 57.5455
YIQ	161.3480, -81.3300, -34.8820

Conversions

Conversions Part 2

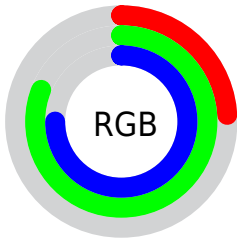
Format	Color
RYB	62, 138, 206
Decimal	4116160
CIELab	75.43, -40.70, -4.06
CIELCh	75, 40.904, 185.691
Yxy	48.9725, 0.2396, 0.3496
Android (android.graphics.Color)	4282306240 (0xFF3ECEC0)
YUV	161.3480, 15.1114, -87.1282
Hunter-Lab	69.9804, -36.8546, 0.2315

Details

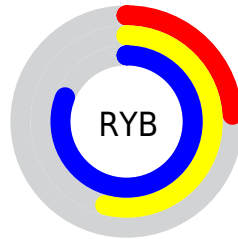
The Yxy color **48.9725, 0.2396, 0.3496** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **17.0722, 0.5258, 0.3153**, and the grayscale version is **35.7479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9644, 0.2508, 0.3369**, and **23.9973, 0.2314, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **48.3435, 0.2358, 0.3529**, and if you desaturate by 10%, it is **49.8586, 0.2454, 0.3463**.

Distribution



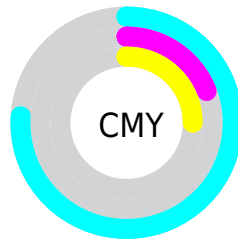
- Red (24%)
- Green (81%)
- Blue (75%)



- Red (24%)
- Yellow (54%)
- Blue (81%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (19%)




- Cyan (76%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9725, 0.2396, 0.3496 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 48.9725, 0.2396, 0.3496 by changing the saturation by 10% instead.


 48.9725, 0.2396,
0.3496


 48.9725, 0.2396,
0.3496

382.6340, 0.2753,
0.3400

 34.5977, 0.2310,
0.3518


 88.6506, 0.2523,
0.3463

 23.3531, 0.2202,
0.3545

 114.7227, 0.2572,
0.3450


 14.8545, 0.2061,
0.3578


 145.4626, 0.2613,
0.3438

 8.7173, 0.1872,
0.3620

 181.2548, 0.2649,
0.3429

 4.5573, 0.1607,
0.3673

 222.4836, 0.2680,
0.3420

 1.9899, 0.1187,
0.3747

269.5335, 0.2707,

 0.6016, 0.0000,

0.3413

0.3906

322.7889, 0.2731,
0.3406

0.0000, 0.0000,
0.0000

48.9725, 0.2396,
0.3496

48.9725, 0.2396,
0.3496

48.3435, 0.2358,
0.3529

49.8586, 0.2454,
0.3463

47.9356, 0.2338,
0.3563

51.0217, 0.2530,
0.3430

47.6944, 0.2332,
0.3596

52.4862, 0.2624,
0.3399

47.6940, 0.2332,
0.3596

54.2722, 0.2734,
0.3368

56.3981, 0.2856,
0.3340

■ 58.8810, 0.2988,
0.3314

■ 61.7367, 0.3127,
0.3290

■ 64.9801, 0.3271,
0.3268

■ 68.6254, 0.3416,
0.3249

Harmonies

Analogous

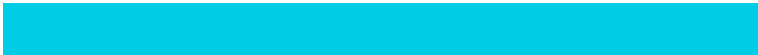
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9725, 0.2843, 0.4030



48.9725, 0.2396, 0.3496



48.9725, 0.2152, 0.2948

Triad

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



48.9725, 0.2396, 0.3496



48.9725, 0.2788, 0.2459



48.9725, 0.4206, 0.3903

Complementary

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



48.9725, 0.2396, 0.3496



17.0722, 0.5258, 0.3153

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.



48.9725, 0.4211, 0.3476



48.9725, 0.2396, 0.3496



48.9725, 0.3348, 0.2686

Square

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



48.9725, 0.2396, 0.3496



48.9725, 0.2362, 0.2410



48.9725, 0.3888, 0.3046



48.9725, 0.3895, 0.4227

Rectangle

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



48.9725, 0.2396, 0.3496



48.9725, 0.2119, 0.2672



48.9725, 0.3888, 0.3046



48.9725, 0.4245, 0.3766

Sweetspot

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



48.9744, 0.2396, 0.3496



90.8889, 0.2840, 0.3344



46.0433, 0.3087, 0.5479



19.2401, 0.2805, 0.3351



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.



48.9744, 0.2396, 0.3496



77.9371, 0.2345, 0.3546



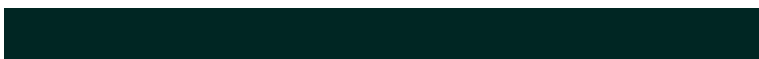
26.7646, 0.2106, 0.2372



12.7075, 0.2996, 0.3312



29.3715, 0.2331, 0.3591



1.5208, 0.2313, 0.3526

Inverse Universe

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



17.0722, 0.5258, 0.3153



23.1759, 0.5892, 0.3184



26.7859, 0.4869, 0.3955



11.2311, 0.3275, 0.3268



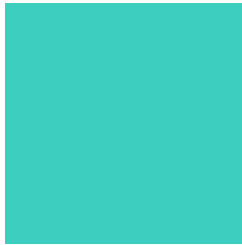
8.1178, 0.6278, 0.3232



0.4250, 0.5925, 0.3037

Previews

White Background



This preview shows how the Yxy color 48.9725, 0.2396, 0.3496 looks on a white background.

Color Contrast Check

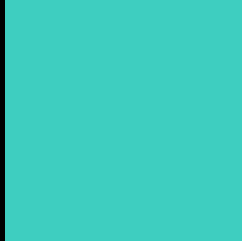
Large Text (above 18pt) WCAG AA × Fail

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 48.9725, 0.2396, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

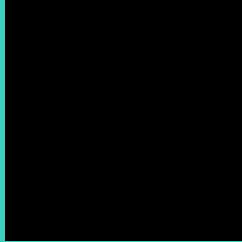
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

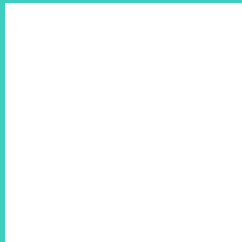
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9725, 0.2396, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 48.9725, 0.2396, 0.3496.

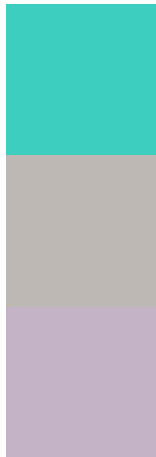


This preview shows how white text looks on a background with the Yxy color 48.9725, 0.2396, 0.3496.

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

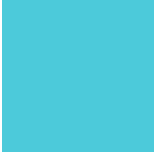
48.9725, 0.2396, 0.3496

Protanopia

48.3545, 0.3209, 0.3354

Deuteranopia

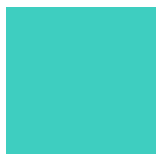
48.0532, 0.3121, 0.3056



Tritanopia

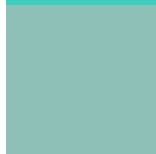
48.8395, 0.2306, 0.3064

Trichromacy



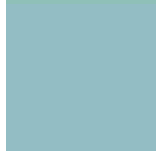
Original Color

48.9725, 0.2396, 0.3496



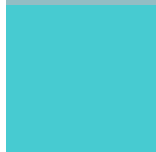
Protanomaly

46.9996, 0.2810, 0.3401



Deuteranomaly

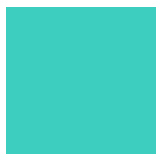
46.5838, 0.2755, 0.3193



Tritanomaly

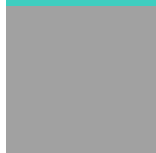
48.6549, 0.2334, 0.3202

Monochromacy



Original Color

48.9725, 0.2396, 0.3496



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.7828, 0.2744, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9725, 0.2396, 0.3496 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(62, 206, 192)` looks like.

```
.text, #text, p{  
    color:rgb(62, 206, 192)  
}
```

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(62, 206, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 206, 192) }
```

Border

The CSS property to change the border of an element to Yxy 48.9725, 0.2396, 0.3496 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(62, 206, 192) }
```

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

```
.border{ border-color:rgb(62, 206, 192) }
```

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

Here you see how a box with a 4 pixel rgb(62, 206, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 206, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 206, 192);  
box-shadow:4px 4px 4px 4px rgb(62, 206,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9725, 0.2396, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 206, 192) }
```

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

```
.background{ background-color: rgb(62, 206,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor