

Converting Colors

$Y_{xy}(48.7995, 0.2544, 0.3365)$

Have a look what the booklet for
Yxy(48.7995, 0.2544, 0.3365)
contains.

Yxy(48.9016, 0.2547, 0.3374)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.9016, 0.2547, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	6CC9C3
RGB	108, 201, 195
RGB Percent	42%, 79%, 76%
CMY	0.5767, 0.2117, 0.2353
CMYK	0.46, 0.00, 0.03, 0.21
HSL	176°, 46%, 61%
HSV	176°, 46%, 79%
XYZ	36.9153, 48.9016, 59.1196
YIQ	172.5090, -53.5020, -21.5820

Conversions

Conversions Part 2

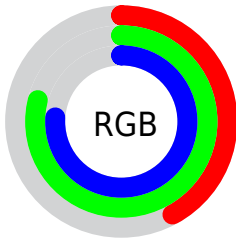
Format	Color
RYB	108, 156, 201
Decimal	7129539
CIELab	75.39, -29.12, -5.59
CIELCh	75, 29.651, 190.874
Yxy	48.9016, 0.2547, 0.3374
Android (android.graphics.Color)	4285319619 (0xFF6CC9C3)
YUV	172.5090, 11.0881, -56.5744
Hunter-Lab	69.9297, -28.1481, -1.1739

Details

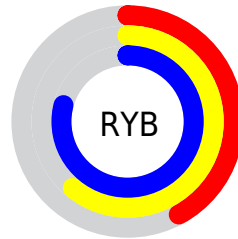
The Yxy color **48.9016, 0.2547, 0.3374** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.3464, 0.4290, 0.3215**, and the grayscale version is **41.4834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4844, 0.2647, 0.3333**, and **23.4189, 0.2395, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **47.7274, 0.2461, 0.3395**, and if you desaturate by 10%, it is **50.3706, 0.2650, 0.3354**.

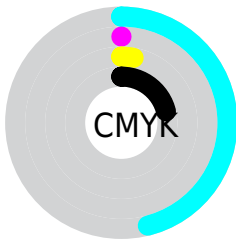
Distribution



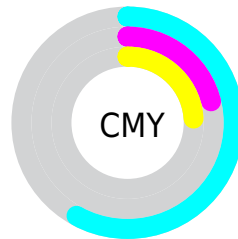
- Red (42%)
- Green (79%)
- Blue (76%)



- Red (42%)
- Yellow (61%)
- Blue (79%)



- Cyan (46%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)





- Cyan (58%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9016, 0.2547, 0.3374 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 48.9016, 0.2547, 0.3374 by changing the saturation by 10% instead.


 48.9016, 0.2547,
0.3374


 48.9016, 0.2547,
0.3374


382.3548, 0.2831,
0.3337


 34.5414, 0.2478,
0.3382


 88.5453, 0.2648,
0.3362

 23.3098, 0.2392,
0.3390


 114.5976, 0.2687,
0.3357

 14.8225, 0.2278,
0.3401


 145.3161, 0.2720,
0.3353

 8.6949, 0.2125,
0.3412

181.0851, 0.2748,
0.3349

 4.5427, 0.1906,
0.3422

222.2891, 0.2773,
0.3345

 1.9815, 0.1572,
0.3422

269.3125, 0.2794,

 0.5967, 0.0000,

0.3342

0.3640

322.5396, 0.2814,
0.3340

0.0000, 0.0000,
0.0000

48.9016, 0.2547,
0.3374

48.9016, 0.2547,
0.3374

47.7274, 0.2461,
0.3395

50.3706, 0.2650,
0.3354

46.8220, 0.2394,
0.3417

52.1470, 0.2767,
0.3334

46.1645, 0.2347,
0.3438


54.2496, 0.2897,
0.3316

45.7283, 0.2317,
0.3460


56.6938, 0.3036,
0.3300


45.4793, 0.2305,
0.3481

59.4944, 0.3182,
0.3285

 45.4106, 0.2303,
0.3489

 62.6651, 0.3331,
0.3271

 66.2189, 0.3481,
0.3259

 67.4657, 0.3522,
0.3246

 67.5289, 0.3512,
0.3233

Harmonies

Analogous

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



48.9016, 0.2862, 0.3757



48.9016, 0.2547, 0.3374



48.9016, 0.2387, 0.2994

Triad

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



48.9016, 0.2547, 0.3374



48.9016, 0.2951, 0.2688



48.9016, 0.3891, 0.3806

Complementary

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



48.9016, 0.2547, 0.3374



24.3464, 0.4290, 0.3215

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.



48.9016, 0.3929, 0.3501



48.9016, 0.2547, 0.3374



48.9016, 0.3365, 0.2881

Square

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



48.9016, 0.2547, 0.3374



48.9016, 0.2608, 0.2630



48.9016, 0.3732, 0.3170



48.9016, 0.3642, 0.3999

Rectangle

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



48.9016, 0.2547, 0.3374



48.9016, 0.2381, 0.2802



48.9016, 0.3732, 0.3170



48.9016, 0.3930, 0.3712

Sweetspot

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



48.9035, 0.2547, 0.3374



93.6989, 0.2925, 0.3313



46.4478, 0.3101, 0.4714



19.8706, 0.2896, 0.3317



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.



48.9035, 0.2547, 0.3374



81.6175, 0.2458, 0.3396



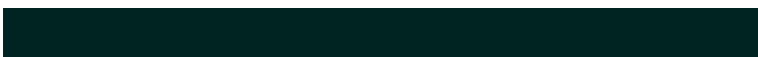
32.7811, 0.2406, 0.2682



12.0553, 0.2992, 0.3305



28.5538, 0.2302, 0.3486



1.3557, 0.2289, 0.3441

Inverse Universe

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



24.3464, 0.4290, 0.3215



34.2836, 0.4723, 0.3204



34.7663, 0.4108, 0.3816



10.6479, 0.3280, 0.3275



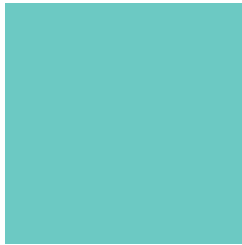
7.8308, 0.6322, 0.3256



0.3747, 0.6058, 0.3111

Previews

White Background



This preview shows how the Yxy color 48.9016, 0.2547, 0.3374 looks on a white background.

Color Contrast Check

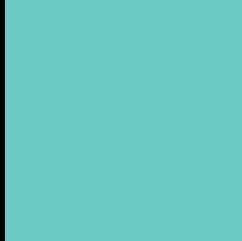
Large Text (above 18pt) WCAG AA × Fail

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 48.9016, 0.2547, 0.3374 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

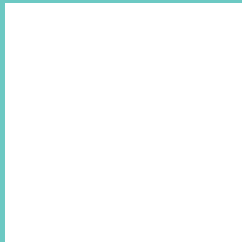
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9016, 0.2547, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 48.9016, 0.2547, 0.3374.

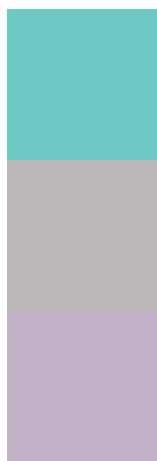


This preview shows how white text looks on a background with the Yxy color 48.9016, 0.2547, 0.3374.

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

48.9016, 0.2547, 0.3374

Protanopia

48.4751, 0.3153, 0.3277

Deuteranopia

48.1461, 0.3105, 0.3032



Tritanopia

48.8206, 0.2469, 0.3069

Trichromacy



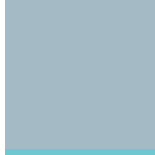
Original Color

48.9016, 0.2547, 0.3374



Protanomaly

47.8720, 0.2891, 0.3303



Deuteranomaly

47.5104, 0.2864, 0.3144



Tritanomaly

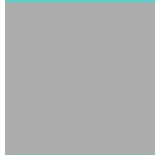
48.7966, 0.2498, 0.3177

Monochromacy



Original Color

48.9016, 0.2547, 0.3374



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.5518, 0.2874, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9016, 0.2547, 0.3374 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(108, 201, 195)` looks like.

```
.text, #text, p{  
    color:rgb(108, 201, 195)  
}
```

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(108, 201, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 201, 195) }
```

Border

The CSS property to change the border of an element to Yxy 48.9016, 0.2547, 0.3374 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(108, 201, 195) }
```

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

```
.border{ border-color:rgb(108, 201, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 201, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 201, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 201, 195);  
box-shadow:4px 4px 4px 4px rgb(108, 201,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9016, 0.2547, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 201, 195) }
```

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

```
.background{ background-color: rgb(108,  
201, 195) }
```

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