

Converting Colors

$Yxy(48.3935, 0.2553, 0.3728)$

Have a look what the booklet for
Yxy(48.3935, 0.2553, 0.3728)
contains.

Yxy(48.1657, 0.2552, 0.3726)	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(48.1657, 0.2552, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	54CCAF
RGB	84, 204, 175
RGB Percent	33%, 80%, 69%
CMY	0.6704, 0.2000, 0.3137
CMYK	0.59, 0.00, 0.14, 0.20
HSL	165°, 54%, 56%
HSV	165°, 59%, 80%
XYZ	32.9895, 48.1657, 48.1140
YIQ	164.8140, -62.2110, -34.4590

Conversions

Conversions Part 2

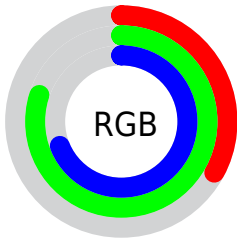
Format	Color
RYB	84, 152, 204
Decimal	5557423
CIELab	74.93, -40.55, 4.44
CIELCh	75, 40.795, 173.752
Yxy	48.1657, 0.2552, 0.3726
Android (android.graphics.Color)	4283747503 (0xFF54CCAF)
YUV	164.8140, 5.0217, -70.8739
Hunter-Lab	69.4015, -36.6040, 7.4771

Details

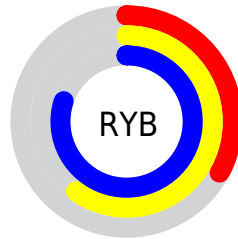
The Yxy color **48.1657, 0.2552, 0.3726** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **20.3786, 0.4477, 0.2938**, and the grayscale version is **37.5374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1625, 0.2648, 0.3579**, and **22.9250, 0.2401, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **47.1685, 0.2503, 0.3815**, and if you desaturate by 10%, it is **49.4479, 0.2620, 0.3640**.

Distribution



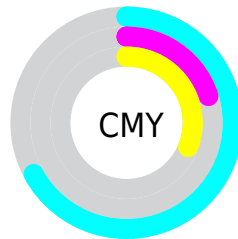
- Red (33%)
- Green (80%)
- Blue (69%)



- Red (33%)
- Yellow (60%)
- Blue (80%)



- Cyan (59%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)





- Cyan (67%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1657, 0.2552, 0.3726 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 48.1657, 0.2552, 0.3726 by changing the saturation by 10% instead.


 48.1657, 0.2552,
0.3726

 48.1657, 0.2552,
0.3726


379.4485, 0.2839,
0.3505

 33.9581, 0.2481,
0.3782


 87.4511, 0.2656,
0.3645


 22.8614, 0.2390,
0.3854


 113.2976, 0.2695,
0.3615

 14.4912, 0.2270,
0.3951


 143.7927, 0.2728,
0.3590

 8.4631, 0.2105,
0.4087

 179.3206, 0.2756,
0.3568

 4.3927, 0.1863,
0.4292

220.2657, 0.2781,
0.3549

 1.8956, 0.1429,
0.4661

267.0125, 0.2803,

 0.5457, 0.0000,

0.3533

0.6579

319.9453, 0.2822,
0.3518

0.0000, 0.0000,
0.0000

48.1657, 0.2552,
0.3726

48.1657, 0.2552,
0.3726

47.1685, 0.2503,
0.3815

49.4479, 0.2620,
0.3640

46.4260, 0.2473,
0.3905

51.0310, 0.2703,
0.3558

45.9110, 0.2463,
0.3994

52.9365, 0.2800,
0.3481

45.5769, 0.2469,
0.4083

55.1822, 0.2907,
0.3409

45.5413, 0.2471,
0.4094

57.7847, 0.3022,
0.3343

■ 60.7594, 0.3142,
0.3283

■ 64.1209, 0.3264,
0.3230

■ 67.8829, 0.3386,
0.3182

■ 69.5804, 0.3409,
0.3135

Harmonies

Analogous

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



48.1657, 0.3057, 0.4184



48.1657, 0.2552, 0.3726



48.1657, 0.2219, 0.3152

Triad

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



48.1657, 0.2552, 0.3726



48.1657, 0.2596, 0.2414



48.1657, 0.4252, 0.3740

Complementary

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



48.1657, 0.2552, 0.3726



20.3786, 0.4477, 0.2938

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.



48.1657, 0.4122, 0.3300



48.1657, 0.2552, 0.3726



48.1657, 0.3117, 0.2575

Square

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



48.1657, 0.2552, 0.3726



48.1657, 0.2246, 0.2445



48.1657, 0.3690, 0.2889



48.1657, 0.4051, 0.4121

Rectangle

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



48.1657, 0.2552, 0.3726



48.1657, 0.2123, 0.2824



48.1657, 0.3690, 0.2889



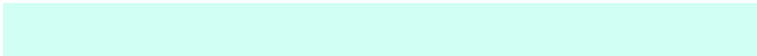
48.1657, 0.4247, 0.3595

Sweetspot

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



48.1676, 0.2552, 0.3726



91.6156, 0.2914, 0.3405



47.4061, 0.3223, 0.5070



19.3599, 0.2881, 0.3425



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.



48.1676, 0.2552, 0.3726



77.6884, 0.2491, 0.3843



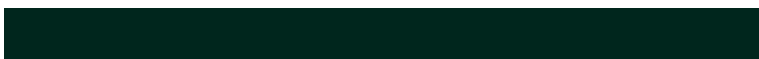
36.5231, 0.2305, 0.2835



12.6789, 0.3015, 0.3347



28.6796, 0.2467, 0.4082



1.4910, 0.2419, 0.3908

Inverse Universe

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



20.3786, 0.4477, 0.2938



27.4523, 0.4979, 0.2912



25.5207, 0.4669, 0.3664



11.2574, 0.3253, 0.3234



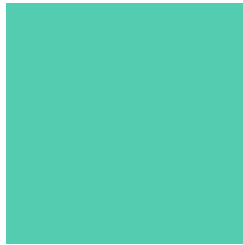
8.2337, 0.5937, 0.3044



0.4371, 0.5367, 0.2730

Previews

White Background



This preview shows how the Yxy color 48.1657, 0.2552, 0.3726 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 48.1657, 0.2552, 0.3726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

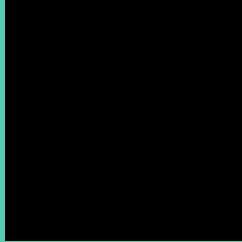
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

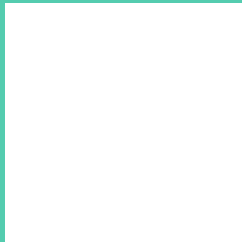
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1657, 0.2552, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 48.1657, 0.2552, 0.3726.

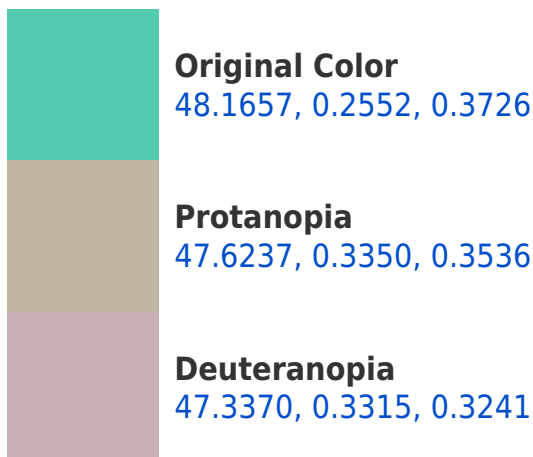


This preview shows how white text looks on a background with the Yxy color 48.1657, 0.2552, 0.3726.

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

47.8399, 0.2394, 0.3065

Trichromacy



Original Color

48.1657, 0.2552, 0.3726



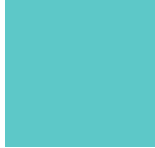
Protanomaly

46.7642, 0.2986, 0.3613



Deuteranomaly

46.1662, 0.2960, 0.3399



Tritanomaly

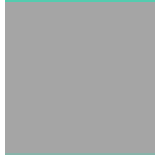
47.8058, 0.2448, 0.3288

Monochromacy



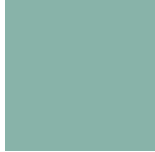
Original Color

48.1657, 0.2552, 0.3726



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.3390, 0.2850, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1657, 0.2552, 0.3726 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(84, 204, 175)` looks like.

```
.text, #text, p{  
    color:rgb(84, 204, 175)  
}
```

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(84, 204, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 204, 175) }
```

Border

The CSS property to change the border of an element to Yxy 48.1657, 0.2552, 0.3726 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(84, 204, 175) }
```

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

```
.border{ border-color:rgb(84, 204, 175) }
```

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

Here you see how a box with a 4 pixel rgb(84, 204, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 204, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 204, 175);  
box-shadow:4px 4px 4px 4px rgb(84, 204,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1657, 0.2552, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 204, 175) }
```

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

```
.background{ background-color: rgb(84, 204,  
175) }
```

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