

Converting Colors

$Y_{xy}(46.4244, 0.2502, 0.3482)$

Have a look what the booklet for
Yxy(46.4244, 0.2502, 0.3482)
contains.

Yxy(46.5159, 0.2501, 0.3482)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.5159, 0.2501, 0.3482)

Conversions

Conversions Part 1

Format	Color
Hex	59C7BA
RGB	89, 199, 186
RGB Percent	35%, 78%, 73%
CMY	0.6506, 0.2196, 0.2706
CMYK	0.55, 0.00, 0.07, 0.22
HSL	173°, 50%, 56%
HSV	173°, 55%, 78%
XYZ	33.4108, 46.5159, 53.6629
YIQ	164.6280, -61.3870, -27.3630

Conversions

Conversions Part 2

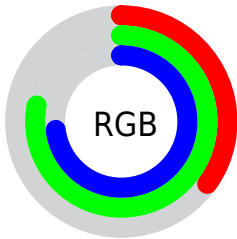
Format	Color
RYB	89, 147, 199
Decimal	5883834
CIELab	73.88, -34.54, -3.02
CIELCh	74, 34.667, 184.991
Yxy	46.5159, 0.2501, 0.3482
Android (android.graphics.Color)	4284073914 (0xFF59C7BA)
YUV	164.6280, 10.5364, -66.3258
Hunter-Lab	68.2026, -31.9117, 1.0914

Details

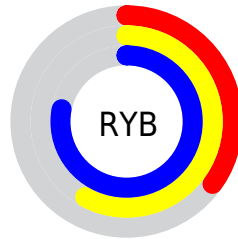
The Yxy color **46.5159, 0.2501, 0.3482** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.2622, 0.4562, 0.3129**, and the grayscale version is **37.4209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2267, 0.2611, 0.3436**, and **22.0154, 0.2331, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **45.5623, 0.2436, 0.3523**, and if you desaturate by 10%, it is **47.7409, 0.2585, 0.3443**.

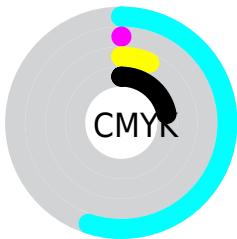
Distribution



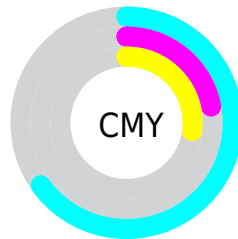
- Red (35%)
- Green (78%)
- Blue (73%)



- Red (35%)
- Yellow (58%)
- Blue (78%)



- Cyan (55%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)





- Cyan (65%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5159, 0.2501, 0.3482 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 46.5159, 0.2501, 0.3482 by changing the saturation by 10% instead.

 46.5159, 0.2501,
0.3482


 46.5159, 0.2501,
0.3482


372.8789, 0.2810,
0.3390


 32.6531, 0.2425,
0.3504


 84.9906, 0.2612,
0.3449

 21.8608, 0.2329,
0.3531


 110.3712, 0.2655,
0.3437

 13.7547, 0.2202,
0.3565


 140.3600, 0.2690,
0.3426

 7.9502, 0.2029,
0.3611

 175.3412, 0.2721,
0.3417

 4.0631, 0.1781,
0.3672

215.6993, 0.2748,
0.3409

 1.7089, 0.1362,
0.3770

261.8187, 0.2771,

 0.4294, 0.0000,

0.3402

0.3876

314.0838, 0.2792,
0.3396

■ 0.0000, 0.0000,
0.0000

■ 46.5159, 0.2501,
0.3482

■ 46.5159, 0.2501,
0.3482

■ 45.5623, 0.2436,
0.3523

■ 47.7409, 0.2585,
0.3443

■ 44.8526, 0.2389,
0.3564

■ 49.2515, 0.2684,
0.3405

■ 44.3633, 0.2362,
0.3605

■ 51.0671, 0.2798,
0.3369

■ 44.0631, 0.2352,
0.3645

■ 53.2039, 0.2922,
0.3336

■ 43.9574, 0.2351,
0.3665

■ 55.6772, 0.3055,
0.3305

■ 58.5010, 0.3194,
0.3277

■ 61.6888, 0.3335,
0.3252

■ 65.2531, 0.3476,
0.3230

■ 66.6191, 0.3512,
0.3207

Harmonies

Analogous

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



46.5159, 0.2897, 0.3928



46.5159, 0.2501, 0.3482



46.5159, 0.2278, 0.3012

Triad

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



46.5159, 0.2501, 0.3482



46.5159, 0.2826, 0.2559



46.5159, 0.4064, 0.3825

Complementary

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



46.5159, 0.2501, 0.3482



20.2622, 0.4562, 0.3129

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.



46.5159, 0.4057, 0.3453



46.5159, 0.2501, 0.3482



46.5159, 0.3309, 0.2756

Square

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



46.5159, 0.2501, 0.3482



46.5159, 0.2454, 0.2523



46.5159, 0.3773, 0.3073



46.5159, 0.3806, 0.4099

Rectangle

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



46.5159, 0.2501, 0.3482



46.5159, 0.2245, 0.2766



46.5159, 0.3773, 0.3073



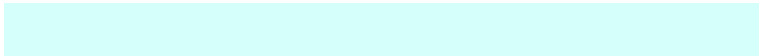
46.5159, 0.4094, 0.3707

Sweetspot

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



46.5177, 0.2501, 0.3482



92.3590, 0.2897, 0.3342



44.4954, 0.3136, 0.5000



19.6005, 0.2871, 0.3349



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.



46.5177, 0.2501, 0.3482



79.5344, 0.2426, 0.3530



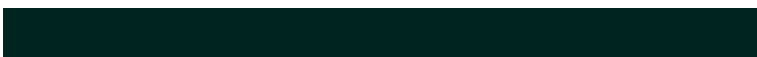
30.9435, 0.2303, 0.2660



12.0451, 0.2999, 0.3317



28.2754, 0.2350, 0.3659



1.3451, 0.2326, 0.3574

Inverse Universe

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



20.2622, 0.4562, 0.3129



29.0815, 0.5067, 0.3118



28.6671, 0.4424, 0.3813



10.6570, 0.3271, 0.3263



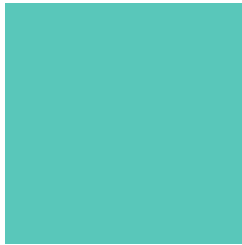
7.8558, 0.6240, 0.3211



0.3790, 0.5807, 0.2973

Previews

White Background



This preview shows how the Yxy color 46.5159, 0.2501, 0.3482 looks on a white background.

Color Contrast Check

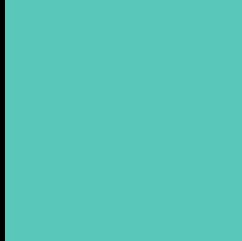
Large Text (above 18pt) WCAG AA × Fail

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 46.5159, 0.2501, 0.3482 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

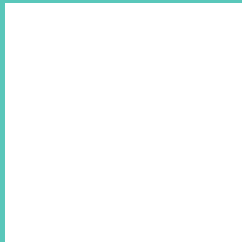
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5159, 0.2501, 0.3482

Background



This preview shows how black text looks on a background with the Yxy color 46.5159, 0.2501, 0.3482.

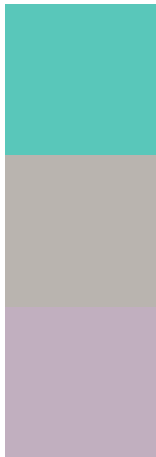


This preview shows how white text looks on a background with the Yxy color 46.5159, 0.2501, 0.3482.

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

46.5159, 0.2501, 0.3482

Protanopia

46.0519, 0.3211, 0.3356

Deuteranopia

45.7590, 0.3154, 0.3089



Tritanopia

46.3300, 0.2400, 0.3062

Trichromacy



Original Color

46.5159, 0.2501, 0.3482



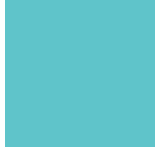
Protanomaly

45.2794, 0.2891, 0.3401



Deuteranomaly

44.9237, 0.2857, 0.3221



Tritanomaly

46.1770, 0.2435, 0.3201

Monochromacy



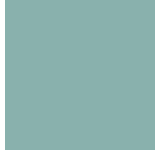
Original Color

46.5159, 0.2501, 0.3482



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.7798, 0.2827, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5159, 0.2501, 0.3482 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(89, 199, 186)` looks like.

```
.text, #text, p{  
    color:rgb(89, 199, 186)  
}
```

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(89, 199, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 199, 186) }
```

Border

The CSS property to change the border of an element to Yxy 46.5159, 0.2501, 0.3482 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(89, 199, 186) }
```

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

```
.border{ border-color:rgb(89, 199, 186) }
```

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

Here you see how a box with a 4 pixel rgb(89, 199, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 199, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 199, 186);  
box-shadow:4px 4px 4px 4px rgb(89, 199,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5159, 0.2501, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 199, 186) }
```

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

```
.background{ background-color: rgb(89, 199,  
186) }
```

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