

Converting Colors

$Yxy(46.6747, 0.2439, 0.3236)$

Have a look what the booklet for
Yxy(46.6747, 0.2439, 0.3236)
contains.

Yxy(46.5292, 0.2439, 0.3230)	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(46.5292, 0.2439, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	5EC5C9
RGB	94, 197, 201
RGB Percent	37%, 77%, 79%
CMY	0.6309, 0.2275, 0.2117
CMYK	0.53, 0.02, 0.00, 0.21
HSL	182°, 50%, 58%
HSV	182°, 53%, 79%
XYZ	35.1346, 46.5292, 62.3895
YIQ	166.6590, -62.6720, -20.5920

Conversions

Conversions Part 2

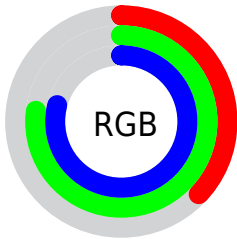
Format	Color
RYB	94, 146, 201
Decimal	6211017
CIELab	73.89, -28.61, -11.14
CIELCh	74, 30.697, 201.275
Yxy	46.5292, 0.2439, 0.3230
Android (android.graphics.Color)	4284401097 (0xFF5EC5C9)
YUV	166.6590, 16.9301, -63.7219
Hunter-Lab	68.2123, -27.4303, -6.4802

Details

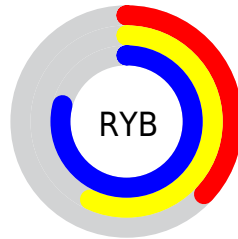
The Yxy color **46.5292, 0.2439, 0.3230** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.9909, 0.4639, 0.3345**, and the grayscale version is **38.4241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8759, 0.2573, 0.3277**, and **21.9221, 0.2256, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **45.2593, 0.2357, 0.3217**, and if you desaturate by 10%, it is **48.0811, 0.2539, 0.3242**.

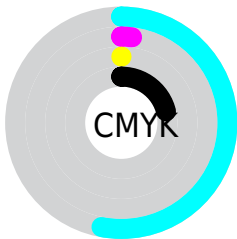
Distribution



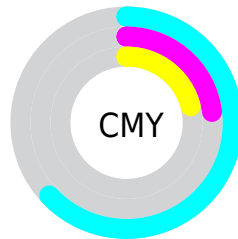
- Red (37%)
- Green (77%)
- Blue (79%)



- Red (37%)
- Yellow (57%)
- Blue (79%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)





- Cyan (63%)
- Magenta (23%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5292, 0.2439, 0.3230 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 46.5292, 0.2439, 0.3230 by changing the saturation by 10% instead.


 46.5292, 0.2439,
0.3230


 46.5292, 0.2439,
0.3230


372.9321, 0.2775,
0.3268

 32.6636, 0.2358,
0.3218


 85.0104, 0.2559,
0.3246

 21.8689, 0.2255,
0.3201


 110.3949, 0.2605,
0.3251

 13.7606, 0.2122,
0.3176


 140.3878, 0.2644,
0.3256

 7.9543, 0.1943,
0.3136

 175.3734, 0.2677,
0.3259

 4.0657, 0.1690,
0.3069

215.7363, 0.2707,
0.3262

 1.7104, 0.1310,
0.2937

261.8608, 0.2732,

 0.4304, 0.0000,

0.3265

0.2522

314.1313, 0.2755,
0.3267

0.0000, 0.0000,
0.0000

46.5292, 0.2439,
0.3230

46.5292, 0.2439,
0.3230

45.2593, 0.2357,
0.3217

48.0811, 0.2539,
0.3242

44.2442, 0.2295,
0.3205

49.9293, 0.2655,
0.3255

43.4604, 0.2251,
0.3192

52.0935, 0.2786,
0.3266

42.8775, 0.2225,
0.3180

54.5899, 0.2928,
0.3277

42.5572, 0.2214,
0.3172

57.4339, 0.3078,
0.3287

■ 60.6398, 0.3234,
0.3296

■ 64.2211, 0.3393,
0.3305

■ 68.1906, 0.3552,
0.3312

■ 68.5613, 0.3551,
0.3320

Harmonies

Analogous

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



46.5292, 0.2718, 0.3653



46.5292, 0.2439, 0.3230



46.5292, 0.2337, 0.2864

Triad

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



46.5292, 0.2439, 0.3230



46.5292, 0.3089, 0.2715



46.5292, 0.3861, 0.3919

Complementary

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



46.5292, 0.2439, 0.3230



21.9909, 0.4639, 0.3345

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.



46.5292, 0.3986, 0.3627



46.5292, 0.2439, 0.3230



46.5292, 0.3524, 0.2957

Square

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



46.5292, 0.2439, 0.3230



46.5292, 0.2692, 0.2601



46.5292, 0.3862, 0.3281



46.5292, 0.3538, 0.4063

Rectangle

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



46.5292, 0.2439, 0.3230



46.5292, 0.2376, 0.2700



46.5292, 0.3862, 0.3281



46.5292, 0.3929, 0.3833

Sweetspot

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



46.5310, 0.2439, 0.3230



92.0920, 0.2883, 0.3274



45.0378, 0.3030, 0.4925



19.5182, 0.2854, 0.3271



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.



46.5310, 0.2439, 0.3230



77.1547, 0.2345, 0.3215



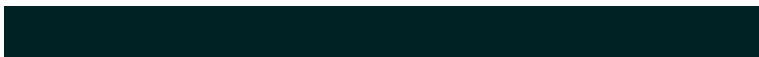
26.5513, 0.2270, 0.2397



11.9966, 0.2984, 0.3281



26.7884, 0.2215, 0.3173



1.2902, 0.2222, 0.3199

Inverse Universe

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



24.4770, 0.3230, 0.2071



35.7110, 0.3253, 0.1870



35.4032, 0.4223, 0.4019



10.8095, 0.3143, 0.3071



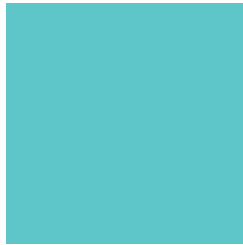
10.2443, 0.3304, 0.1594



0.4873, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 46.5292, 0.2439, 0.3230 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 46.5292, 0.2439, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

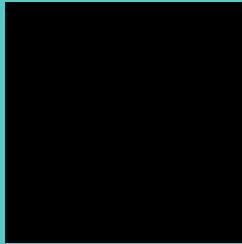
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

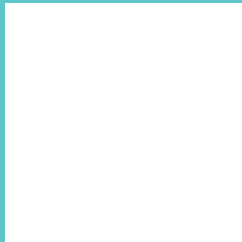
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5292, 0.2439, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 46.5292, 0.2439, 0.3230.

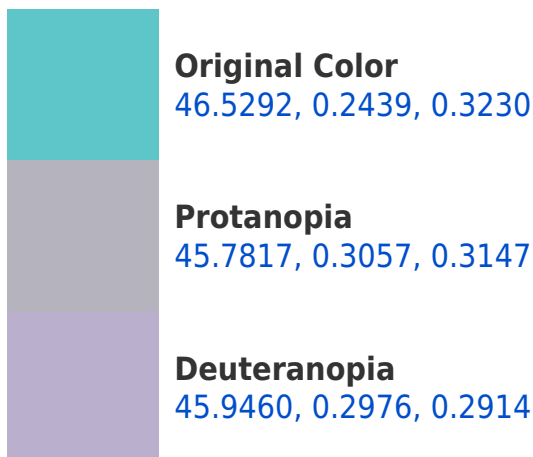


This preview shows how white text looks on a background with the Yxy color 46.5292, 0.2439, 0.3230.

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

46.3300, 0.2400, 0.3062

Trichromacy



Original Color

46.5292, 0.2439, 0.3230

Protanomaly

45.4024, 0.2779, 0.3179

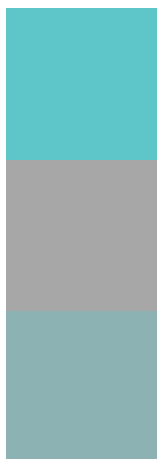
Deuteranomaly

45.4129, 0.2739, 0.3021

Tritanomaly

46.5262, 0.2418, 0.3131

Monochromacy



Original Color

46.5292, 0.2439, 0.3230

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.7582, 0.2815, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5292, 0.2439, 0.3230 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(94, 197, 201)` looks like.

```
.text, #text, p{  
    color:rgb(94, 197, 201)  
}
```

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(94, 197, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 197, 201) }
```

Border

The CSS property to change the border of an element to Yxy 46.5292, 0.2439, 0.3230 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(94, 197, 201) }
```

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

```
.border{ border-color:rgb(94, 197, 201) }
```

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

Here you see how a box with a 4 pixel rgb(94, 197, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 197, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 197, 201);  
box-shadow:4px 4px 4px 4px rgb(94, 197,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5292, 0.2439, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 197, 201) }
```

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

```
.background{ background-color: rgb(94, 197,  
201) }
```

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