

Converting Colors

$Y_{xy}(46.5937, 0.2324, 0.3045)$

Have a look what the booklet for
Yxy(46.5937, 0.2324, 0.3045)
contains.

Yxy(46.5369, 0.2324, 0.3046)	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(46.5369, 0.2324, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	51C5D6
RGB	81, 197, 214
RGB Percent	32%, 77%, 84%
CMY	0.6818, 0.2275, 0.1607
CMYK	0.62, 0.08, 0.00, 0.16
HSL	188°, 62%, 58%
HSV	188°, 62%, 84%
XYZ	35.5062, 46.5369, 70.7373
YIQ	164.2540, -74.5930, -19.3050

Conversions

Conversions Part 2

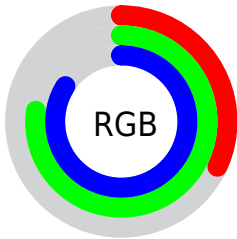
Format	Color
RYB	81, 143, 214
Decimal	5359062
CIELab	73.89, -27.37, -18.23
CIELCh	74, 32.883, 213.670
Yxy	46.5369, 0.2324, 0.3046
Android (android.graphics.Color)	4283549142 (0xFF51C5D6)
YUV	164.2540, 24.5248, -73.0138
Hunter-Lab	68.2180, -26.4756, -13.7271




Details

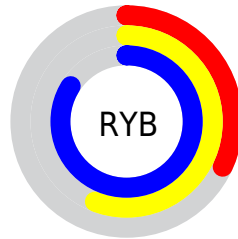
The Yxy color **46.5369, 0.2324, 0.3046** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.6580, 0.4952, 0.3486**, and the grayscale version is **37.1759, 0.3127, 0.3290**.




A 20% lighter version of the original color is **83.9433, 0.2530, 0.3277**, and **22.1481, 0.2160, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **44.5021, 0.2248, 0.3001**, and if you desaturate by 10%, it is **48.8958, 0.2419, 0.3090**.

Distribution







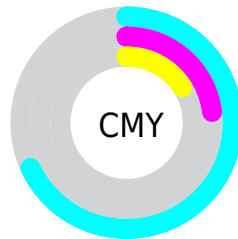
-  Red (32%)
-  Green (77%)
-  Blue (84%)






-  Red (32%)
-  Yellow (56%)
-  Blue (84%)



-  Cyan (62%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (16%)





-  Cyan (68%)
-  Magenta (23%)
-  Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5369, 0.2324, 0.3046 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 46.5369, 0.2324, 0.3046 by changing the saturation by 10% instead.


 46.5369, 0.2324,
0.3046

 46.5369, 0.2324,
0.3046


372.9630, 0.2713,
0.3179


 32.6697, 0.2232,
0.3010


 85.0219, 0.2462,
0.3097

 21.8735, 0.2116,
0.2962


 110.4086, 0.2515,
0.3115

 13.7640, 0.1967,
0.2897


 140.4038, 0.2560,
0.3130

 7.9567, 0.1770,
0.2801

 175.3921, 0.2599,
0.3143

 4.0673, 0.1499,
0.2653

215.7577, 0.2633,
0.3154

 1.7113, 0.1114,
0.2401

261.8852, 0.2663,

 0.4309, 0.0000,

0.3163

0.1793

314.1588, 0.2689,
0.3172

0.0000, 0.0000,
0.0000

46.5369, 0.2324,
0.3046

46.5369, 0.2324,
0.3046

44.5021, 0.2248,
0.3001

48.8958, 0.2419,
0.3090

42.7570, 0.2191,
0.2956

51.5991, 0.2531,
0.3134

41.2684, 0.2153,
0.2911

54.6712, 0.2657,
0.3175

40.2255, 0.2132,
0.2876

58.1327, 0.2795,
0.3214

62.0029, 0.2942,
0.3250

■ 66.2994, 0.3095,
0.3283

■ 71.0390, 0.3250,
0.3314

■ 76.2373, 0.3406,
0.3341

■ 78.1802, 0.3421,
0.3368

Harmonies

Analogous

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



46.5369, 0.2546, 0.3493



46.5369, 0.2324, 0.3046



46.5369, 0.2300, 0.2715

Triad

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



46.5369, 0.2324, 0.3046



46.5369, 0.3280, 0.2770



46.5369, 0.3788, 0.4051

Complementary

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



46.5369, 0.2324, 0.3046



23.6580, 0.4952, 0.3486

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.



46.5369, 0.4022, 0.3788



46.5369, 0.2324, 0.3046



46.5369, 0.3723, 0.3069

Square

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



46.5369, 0.2324, 0.3046



46.5369, 0.2823, 0.2588



46.5369, 0.4002, 0.3431



46.5369, 0.3384, 0.4114

Rectangle

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



46.5369, 0.2324, 0.3046



46.5369, 0.2396, 0.2593



46.5369, 0.4002, 0.3431



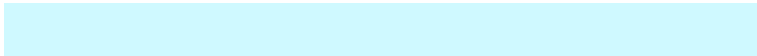
46.5369, 0.3890, 0.3980

Sweetspot

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



46.5386, 0.2324, 0.3046



88.0443, 0.2837, 0.3225



50.7110, 0.2967, 0.5084



18.5028, 0.2796, 0.3214



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.



46.5386, 0.2324, 0.3046



65.1739, 0.2225, 0.2984



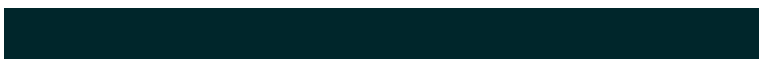
23.1317, 0.2092, 0.2033



13.8237, 0.2983, 0.3259



24.4178, 0.2134, 0.2883



1.5503, 0.2155, 0.2959

Inverse Universe

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



24.2329, 0.3387, 0.2014



30.6400, 0.3455, 0.1844



41.1148, 0.4366, 0.4240



12.6040, 0.3157, 0.3089



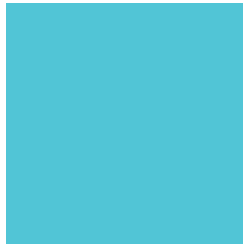
10.8098, 0.3559, 0.1734



0.6598, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 46.5369, 0.2324, 0.3046 looks on a white background.

Color Contrast Check

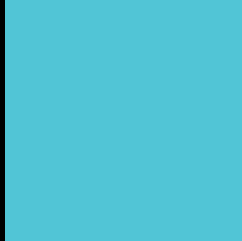
Large Text (above 18pt) WCAG AA × Fail

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 46.5369, 0.2324, 0.3046 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 46.5369, 0.2324, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 46.5369, 0.2324, 0.3046.

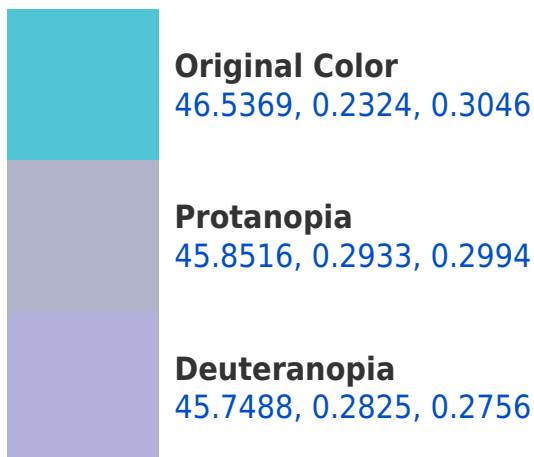


This preview shows how white text looks on a background with the Yxy color 46.5369, 0.2324, 0.3046.

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

46.4859, 0.2328, 0.3060

Trichromacy



Original Color

46.5369, 0.2324, 0.3046



Protanomaly

45.3248, 0.2653, 0.3017



Deuteranomaly

45.1304, 0.2589, 0.2851



Tritanomaly

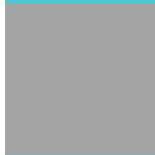
46.4859, 0.2328, 0.3060

Monochromacy



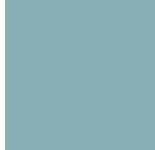
Original Color

46.5369, 0.2324, 0.3046



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.4964, 0.2739, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5369, 0.2324, 0.3046 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(81, 197, 214)` looks like.

```
.text, #text, p{  
    color:rgb(81, 197, 214)  
}
```

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(81, 197, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 197, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.5369, 0.2324, 0.3046 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(81, 197, 214) }
```

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

```
.border{ border-color:rgb(81, 197, 214) }
```

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

Here you see how a box with a 4 pixel rgb(81, 197, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 197, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 197, 214);  
box-shadow:4px 4px 4px 4px rgb(81, 197,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5369, 0.2324, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 197, 214) }
```

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

```
.background{ background-color: rgb(81, 197,  
214) }
```

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