

Converting Colors

$Y_{xy}(50.7661, 0.2265, 0.3354)$

Have a look what the booklet for
Yxy(50.7661, 0.2265, 0.3354)
contains.

Yxy(50.5494, 0.2263, 0.3346)	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(50.5494, 0.2263, 0.3346)

Conversions

Conversions Part 1

Format	Color
Hex	00D2CE
RGB	0, 210, 206
RGB Percent	0%, 82%, 81%
CMY	0.9987, 0.1765, 0.1922
CMYK	1.00, 0.00, 0.02, 0.18
HSL	179°, 100%, 41%
HSV	179°, 100%, 82%
XYZ	34.1881, 50.5494, 66.3366
YIQ	146.7540, -123.8760, -45.7640

Conversions

Conversions Part 2

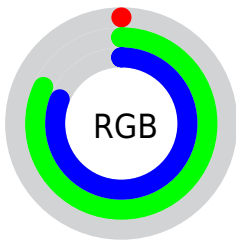
Format	Color
RYB	0, 106, 210
Decimal	53966
CIELab	76.41, -42.71, -10.23
CIELCh	76, 43.917, 193.469
Yxy	50.5494, 0.2263, 0.3346
Android (android.graphics.Color)	4278244046 (0xFF00D2CE)
YUV	146.7540, 29.2083, -128.7033
Hunter-Lab	71.0981, -38.5886, -5.5507

Details

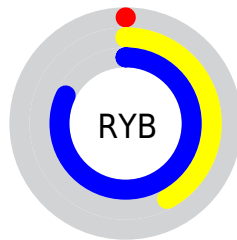
The Yxy color **50.5494, 0.2263, 0.3346** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.7184, 0.6381, 0.3290**, and the grayscale version is **29.0279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **25.7097, 0.2263, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **50.5489, 0.2263, 0.3346**, and if you desaturate by 10%, it is **50.7318, 0.2275, 0.3340**.

Distribution



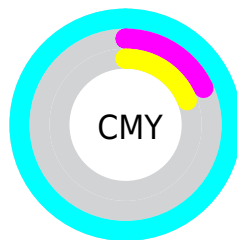
- Red (0%)
- Green (82%)
- Blue (81%)



- Red (0%)
- Yellow (42%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5494, 0.2263, 0.3346 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 50.5494, 0.2263, 0.3346 by changing the saturation by 10% instead.


 50.5494, 0.2263,
0.3346


 50.5494, 0.2263,
0.3346

388.8106, 0.2677,
0.3331

 35.8501, 0.2166,
0.3346


 90.9884, 0.2409,
0.3343


 24.3185, 0.2044,
0.3344


 117.4968, 0.2465,
0.3341


 15.5700, 0.1889,
0.3338


 148.7105, 0.2513,
0.3339

 9.2204, 0.1684,
0.3323

 185.0138, 0.2555,
0.3338

 4.8852, 0.1407,
0.3289

 226.7910, 0.2591,
0.3336

 2.1801, 0.1006,
0.3209

274.4266, 0.2623,

 0.7091, 0.0000,

0.3334

0.3088

328.3050, 0.2652,
0.3332

■ 0.0000, 0.0000,
0.0000

■ 50.5494, 0.2263,
0.3346

■ 50.5494, 0.2263,
0.3346

■ 50.5489, 0.2263,
0.3346

■ 50.7318, 0.2275,
0.3340

■ 51.0875, 0.2300,
0.3334

■ 51.6756, 0.2344,
0.3328

■ 52.5277, 0.2407,
0.3322

■ 53.6706, 0.2489,
0.3316

■ 55.1279, 0.2590,
0.3310

■ 56.9205, 0.2706,
0.3304

■ 59.0679, 0.2837,
0.3299

■ 61.5878, 0.2979,
0.3294

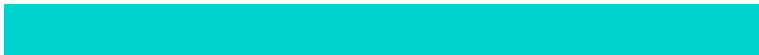
Harmonies

Analogous

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



50.5494, 0.2685, 0.3949



50.5494, 0.2263, 0.3346



50.5494, 0.2071, 0.2799

Triad

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



50.5494, 0.2263, 0.3346



50.5494, 0.2911, 0.2460



50.5494, 0.4211, 0.4038

Complementary

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



50.5494, 0.2263, 0.3346



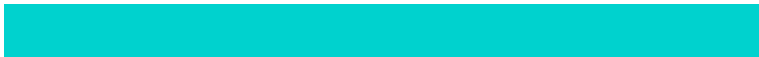
13.7184, 0.6381, 0.3290

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.



50.5494, 0.4312, 0.3601



50.5494, 0.2263, 0.3346



50.5494, 0.3520, 0.2739

Square

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



50.5494, 0.2263, 0.3346



50.5494, 0.2416, 0.2355



50.5494, 0.4054, 0.3142



50.5494, 0.3812, 0.4336

Rectangle

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



50.5494, 0.2263, 0.3346



50.5494, 0.2080, 0.2547



50.5494, 0.4054, 0.3142



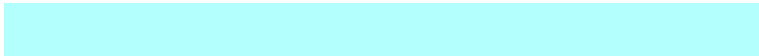
50.5494, 0.4283, 0.3901

Sweetspot

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



50.5513, 0.2263, 0.3346



88.1702, 0.2700, 0.3305



46.1416, 0.3006, 0.5994



18.6066, 0.2649, 0.3307



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.



50.5513, 0.2263, 0.3346



78.4293, 0.2263, 0.3347



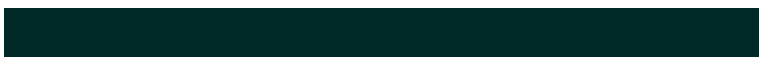
16.2773, 0.1800, 0.1679



13.4030, 0.2986, 0.3294



30.8355, 0.2263, 0.3345



1.7254, 0.2259, 0.3334

Inverse Universe

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



13.7184, 0.6381, 0.3290



21.2707, 0.6387, 0.3292



22.4705, 0.5515, 0.4002



11.8119, 0.3288, 0.3286



8.3649, 0.6378, 0.3287



0.4690, 0.6304, 0.3246

Previews

White Background



This preview shows how the Yxy color 50.5494, 0.2263, 0.3346 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 50.5494, 0.2263, 0.3346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

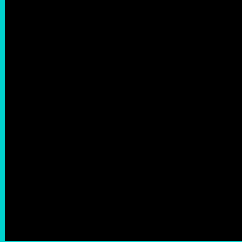
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

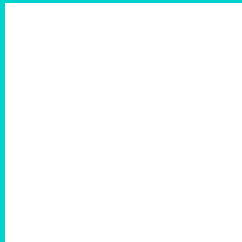
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5494, 0.2263, 0.3346

Background



This preview shows how black text looks on a background with the Yxy color 50.5494, 0.2263, 0.3346.



This preview shows how white text looks on a background with the Yxy color 50.5494, 0.2263, 0.3346.

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

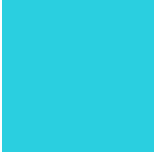
50.5494, 0.2263, 0.3346

Protanopia

49.6982, 0.3114, 0.3227

Deuteranopia

49.5468, 0.2988, 0.2926



Tritanopia

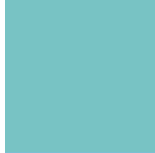
50.4997, 0.2218, 0.3050

Trichromacy



Original Color

50.5494, 0.2263, 0.3346



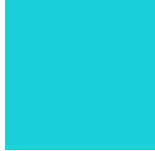
Protanomaly

47.0088, 0.2593, 0.3274



Deuteranomaly

46.5634, 0.2524, 0.3041



Tritanomaly

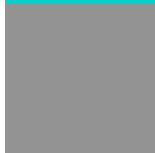
50.3545, 0.2229, 0.3159

Monochromacy



Original Color

50.5494, 0.2263, 0.3346



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.9563, 0.2549, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5494, 0.2263, 0.3346 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(0, 210, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 206)  
}
```

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(0, 210, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 206) }
```

Border

The CSS property to change the border of an element to Yxy 50.5494, 0.2263, 0.3346 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(0, 210, 206) }
```

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

```
.border{ border-color:rgb(0, 210, 206) }
```

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

Here you see how a box with a 4 pixel rgb(0, 210, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5494, 0.2263, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 206) }
```

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

```
.background{ background-color: rgb(0, 210,  
206) }
```

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