

Converting Colors

$Y_{xy}(43.7578, 0.1602, 0.3134)$

Have a look what the booklet for
Yxy(43.7578, 0.1602, 0.3134)
contains.

Yxy(50.6629, 0.2211, 0.3159)	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(50.6629, 0.2211, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	00D1DA
RGB	0, 209, 218
RGB Percent	0%, 82%, 85%
CMY	0.9991, 0.1804, 0.1450
CMYK	1.00, 0.04, 0.00, 0.15
HSL	182°, 100%, 43%
HSV	182°, 100%, 85%
XYZ	35.4592, 50.6629, 74.2543
YIQ	147.5350, -127.4530, -41.5090

Conversions

Conversions Part 2

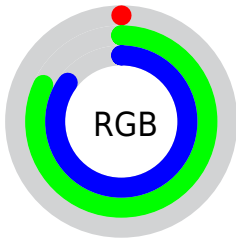
Format	Color
RYB	0, 107, 218
Decimal	53722
CIELab	76.47, -38.65, -16.60
CIELCh	76, 42.069, 203.246
Yxy	50.6629, 0.2211, 0.3159
Android (android.graphics.Color)	4278243802 (0xFF00D1DA)
YUV	147.5350, 34.7392, -129.3882
Hunter-Lab	71.1779, -35.6366, -12.0281

Details

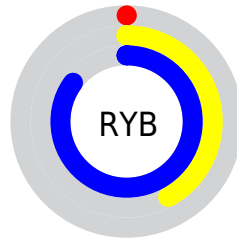
The Yxy color **50.6629, 0.2211, 0.3159** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.1103, 0.6375, 0.3319**, and the grayscale version is **29.3340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **25.7555, 0.2200, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **50.6586, 0.2211, 0.3159**, and if you desaturate by 10%, it is **51.2788, 0.2228, 0.3172**.

Distribution



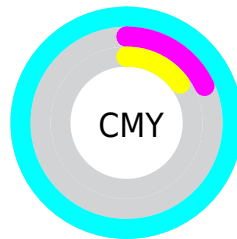
- Red (0%)
- Green (82%)
- Blue (85%)



- Red (0%)
- Yellow (42%)
- Blue (85%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (18%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6629, 0.2211, 0.3159 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 50.6629, 0.2211, 0.3159 by changing the saturation by 10% instead.

 50.6629, 0.2211,
0.3159

 50.6629, 0.2211,
0.3159


389.2527, 0.2646,
0.3239

 35.9404, 0.2110,
0.3135


 91.1563, 0.2364,
0.3191

 24.3882, 0.1984,
0.3103


 117.6960, 0.2423,
0.3202

 15.6218, 0.1825,
0.3057


 148.9435, 0.2473,
0.3211

 9.2569, 0.1619,
0.2988

 185.2833, 0.2517,
0.3219

 4.9092, 0.1342,
0.2876

 227.0997, 0.2556,
0.3225

 2.1941, 0.0964,
0.2679

274.7771, 0.2589,

 0.7168, 0.0000,

0.3230

0.2369

328.7000, 0.2620,
0.3235

■ 0.0000, 0.0000,
0.0000

■ 50.6629, 0.2211,
0.3159

■ 50.6629, 0.2211,
0.3159

■ 50.6586, 0.2211,
0.3159

■ 51.2788, 0.2228,
0.3172

■ 52.0867, 0.2259,
0.3186

■ 53.1501, 0.2309,
0.3200

■ 54.5040, 0.2378,
0.3214

■ 56.1778, 0.2466,
0.3228

■ 58.1972, 0.2572,
0.3242

■ 60.5854, 0.2694,
0.3255

■ 63.3636, 0.2830,
0.3268

■ 66.5514, 0.2975,
0.3279

Harmonies

Analogous

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



50.6629, 0.2551, 0.3742



50.6629, 0.2211, 0.3159



50.6629, 0.2102, 0.2690

Triad

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



50.6629, 0.2211, 0.3159



50.6629, 0.3107, 0.2562



50.6629, 0.4069, 0.4126

Complementary

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



50.6629, 0.2211, 0.3159



15.1103, 0.6375, 0.3319

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.



50.6629, 0.4268, 0.3737



50.6629, 0.2211, 0.3159



50.6629, 0.3688, 0.2878

Square

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



50.6629, 0.2211, 0.3159



50.6629, 0.2581, 0.2402



50.6629, 0.4131, 0.3292



50.6629, 0.3622, 0.4329

Rectangle

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



50.6629, 0.2211, 0.3159



50.6629, 0.2162, 0.2496



50.6629, 0.4131, 0.3292



50.6629, 0.4169, 0.4009

Sweetspot

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



50.6648, 0.2211, 0.3159



86.2585, 0.2689, 0.3255



50.1724, 0.2995, 0.5982



18.1405, 0.2636, 0.3249



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.



50.6648, 0.2211, 0.3159



72.1829, 0.2211, 0.3158



14.5411, 0.1737, 0.1452



14.7322, 0.2982, 0.3280



30.3834, 0.2211, 0.3161



1.9977, 0.2218, 0.3183

Inverse Universe

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



19.5173, 0.3317, 0.1601



27.8181, 0.3318, 0.1601



27.4893, 0.5322, 0.4155



13.2650, 0.3144, 0.3069



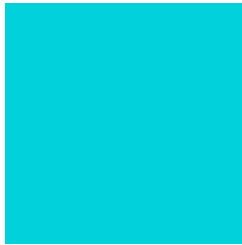
11.6910, 0.3315, 0.1600



0.7604, 0.3296, 0.1590

Previews

White Background



This preview shows how the Yxy color 50.6629, 0.2211, 0.3159 looks on a white background.

Color Contrast Check

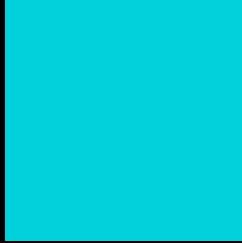
Large Text (above 18pt) WCAG AA × Fail

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 50.6629, 0.2211, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

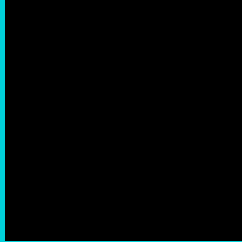
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6629, 0.2211, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 50.6629, 0.2211, 0.3159.



This preview shows how white text looks on a background with the Yxy color 50.6629, 0.2211, 0.3159.

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

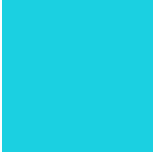
50.6629, 0.2211, 0.3159

Protanopia

49.8687, 0.2999, 0.3078

Deuteranopia

49.8136, 0.2856, 0.2796



Tritanopia

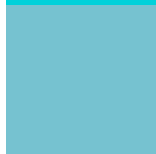
50.7810, 0.2198, 0.3050

Trichromacy



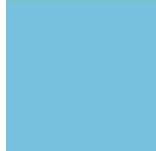
Original Color

50.6629, 0.2211, 0.3159



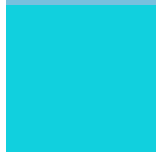
Protanomaly

46.9892, 0.2512, 0.3094



Deuteranomaly

46.8951, 0.2438, 0.2884



Tritanomaly

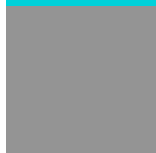
50.5048, 0.2201, 0.3090

Monochromacy



Original Color

50.6629, 0.2211, 0.3159



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.1463, 0.2517, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6629, 0.2211, 0.3159 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, 209, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 218)  
}
```

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, 209, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 218) }
```

Border

The CSS property to change the border of an element to Yxy 50.6629, 0.2211, 0.3159 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, 209, 218) }
```

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

```
.border{ border-color:rgb(0, 209, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6629, 0.2211, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 218) }
```

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

```
.background{ background-color: rgb(0, 209,  
218) }
```

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