

Converting Colors

$Y_{xy}(54.9284, 0.2192, 0.3102)$

Have a look what the booklet for
Yxy(54.9284, 0.2192, 0.3102)
contains.

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Color

Yxy(54.8249, 0.2194, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	01D8E6
RGB	1, 216, 230
RGB Percent	0%, 85%, 90%
CMY	0.9947, 0.1530, 0.0980
CMYK	0.99, 0.06, 0.00, 0.10
HSL	184°, 99%, 45%
HSV	184°, 99%, 90%
XYZ	38.8520, 54.8249, 83.4061
YIQ	153.3110, -132.6340, -41.2260

Conversions

Conversions Part 2

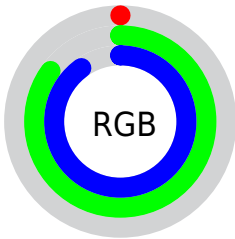
Format	Color
RYB	1, 112, 230
Decimal	121062
CIELab	78.94, -38.15, -19.31
CIELCh	79, 42.757, 206.842
Yxy	54.8249, 0.2194, 0.3096
Android (android.graphics.Color)	4278311142 (0xFF01D8E6)
YUV	153.3110, 37.8077, -133.5767
Hunter-Lab	74.0438, -35.9148, -14.9561

Details

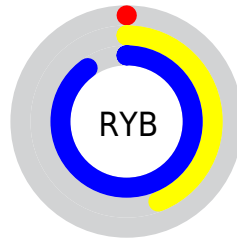
The Yxy color **54.8249, 0.2194, 0.3096** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.1803, 0.6357, 0.3328**, and the grayscale version is **31.9167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **28.5457, 0.2182, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **54.7761, 0.2193, 0.3095**, and if you desaturate by 10%, it is **55.7427, 0.2213, 0.3116**.

Distribution



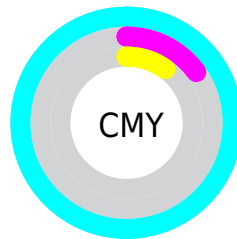
- Red (0%)
- Green (85%)
- Blue (90%)



- Red (0%)
- Yellow (44%)
- Blue (90%)



- Cyan (99%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (99%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8249, 0.2194, 0.3096 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 54.8249, 0.2194, 0.3096 by changing the saturation by 10% instead.


 54.8249, 0.2194,
0.3096


 54.8249, 0.2194,
0.3096


405.2478, 0.2630,
0.3206


 39.2615, 0.2095,
0.3066


 97.2844, 0.2345,
0.3138

 26.9633, 0.1972,
0.3025


 124.9493, 0.2404,
0.3154

 17.5456, 0.1819,
0.2970


 157.4168, 0.2455,
0.3166

 10.6243, 0.1621,
0.2890

 195.0714, 0.2499,
0.3177

 5.8148, 0.1362,
0.2767

 238.2974, 0.2538,
0.3186

 2.7328, 0.1014,
0.2562

287.4792, 0.2572,

 0.9939, 0.0022,

0.3193

0.2314

343.0012, 0.2603,
0.3200

■ 0.0000, 0.0000,
0.0000

■ 54.8249, 0.2194,
0.3096

■ 54.8249, 0.2194,
0.3096

■ 54.7761, 0.2193,
0.3095

■ 55.7427, 0.2213,
0.3116

■ 56.8891, 0.2247,
0.3137

■ 58.3301, 0.2300,
0.3158

■ 60.1052, 0.2372,
0.3179

■ 62.2478, 0.2464,
0.3200

■ 64.7873, 0.2573,
0.3220

■ 67.7500, 0.2697,
0.3239

■ 71.1599, 0.2835,
0.3258

■ 75.0392, 0.2982,
0.3275

Harmonies

Analogous

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



54.8249, 0.2506, 0.3669



54.8249, 0.2194, 0.3096



54.8249, 0.2115, 0.2654

Triad

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



54.8249, 0.2194, 0.3096



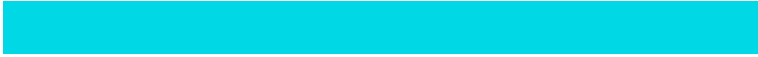
54.8249, 0.3177, 0.2599



54.8249, 0.4018, 0.4155

Complementary

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



54.8249, 0.2194, 0.3096



17.1803, 0.6357, 0.3328

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.



54.8249, 0.4250, 0.3785



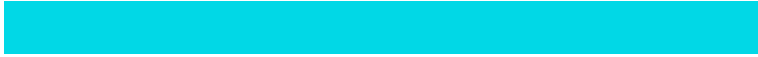
54.8249, 0.2194, 0.3096



54.8249, 0.3747, 0.2927

Square

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



54.8249, 0.2194, 0.3096



54.8249, 0.2641, 0.2420



54.8249, 0.4155, 0.3346



54.8249, 0.3554, 0.4323

Rectangle

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



54.8249, 0.2194, 0.3096



54.8249, 0.2192, 0.2479



54.8249, 0.4155, 0.3346



54.8249, 0.4127, 0.4046

Sweetspot

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



54.8269, 0.2194, 0.3096



85.3065, 0.2688, 0.3238



56.6381, 0.2993, 0.5972



17.9088, 0.2633, 0.3230



0.0000, 0.0000, 0.0000



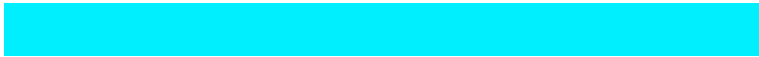
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.8269, 0.2194, 0.3096



69.1625, 0.2193, 0.3094



15.6723, 0.1724, 0.1401



16.1769, 0.2982, 0.3275



31.0739, 0.2194, 0.3098



2.3424, 0.2202, 0.3128

Inverse Universe

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



21.8114, 0.3370, 0.1632



27.5131, 0.3372, 0.1631



32.0355, 0.5269, 0.4194



14.5992, 0.3147, 0.3072



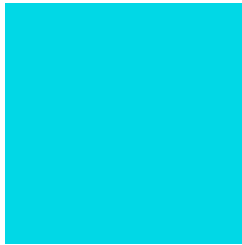
12.3346, 0.3369, 0.1629



0.9161, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 54.8249, 0.2194, 0.3096 looks on a white background.

Color Contrast Check

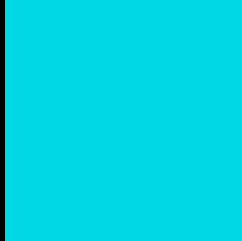
Large Text (above 18pt) WCAG AA × Fail

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 54.8249, 0.2194, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

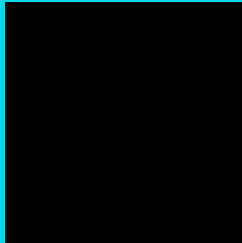
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8249, 0.2194, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 54.8249, 0.2194, 0.3096.



This preview shows how white text looks on a background with the Yxy color 54.8249, 0.2194, 0.3096.

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

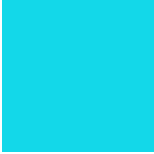
54.8314, 0.2194, 0.3096

Protanopia

53.6819, 0.2952, 0.3013

Deuteranopia

54.0895, 0.2817, 0.2756



Tritanopia

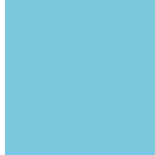
55.1334, 0.2192, 0.3058

Trichromacy



Original Color

54.8314, 0.2194, 0.3096



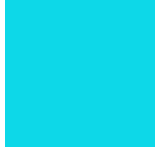
Protanomaly

51.0782, 0.2486, 0.3035



Deuteranomaly

50.9983, 0.2416, 0.2836



Tritanomaly

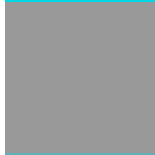
55.0235, 0.2192, 0.3070

Monochromacy



Original Color

54.8314, 0.2194, 0.3096



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.9835, 0.2509, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8249, 0.2194, 0.3096 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(1, 216, 230)` looks like.

```
.text, #text, p{  
    color:rgb(1, 216, 230)  
}
```

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(1, 216, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 216, 230) }
```

Border

The CSS property to change the border of an element to Yxy 54.8249, 0.2194, 0.3096 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(1, 216, 230) }
```

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

```
.border{ border-color:rgb(1, 216, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 216, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 216, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 216, 230);  
box-shadow:4px 4px 4px 4px rgb(1, 216,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8249, 0.2194, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 216, 230) }
```

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

```
.background{ background-color: rgb(1, 216,  
230) }
```

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](#).

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