

Converting Colors

$Y_{xy}(49.9501, 0.2155, 0.2958)$

Have a look what the booklet for
Yxy(49.9501, 0.2155, 0.2958)
contains.

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Color

Yxy(49.8558, 0.2154, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	00CEE6
RGB	0, 206, 230
RGB Percent	0%, 81%, 90%
CMY	0.9995, 0.1921, 0.0981
CMYK	1.00, 0.10, 0.00, 0.10
HSL	186°, 100%, 45%
HSV	186°, 100%, 90%
XYZ	36.3539, 49.8558, 82.5642
YIQ	147.1420, -130.4800, -36.2080

Conversions

Conversions Part 2

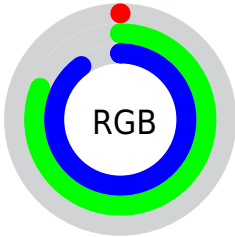
Format	Color
RYB	0, 109, 230
Decimal	52966
CIELab	75.98, -33.52, -23.79
CIELCh	76, 41.108, 215.363
Yxy	49.8558, 0.2154, 0.2954
Android (android.graphics.Color)	4278243046 (0xFF00CEE6)
YUV	147.1420, 40.8490, -129.0435
Hunter-Lab	70.6086, -31.6618, -19.9030

Details

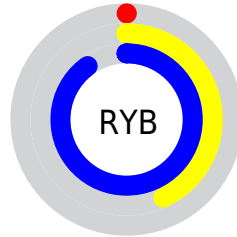
The Yxy color **49.8558, 0.2154, 0.2954** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **17.4799, 0.6329, 0.3356**, and the grayscale version is **29.1234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **25.1892, 0.2130, 0.2868** is the 20% darker color. If you saturate the color by 10%, you get **49.8509, 0.2154, 0.2954**, and if you desaturate by 10%, it is **51.2050, 0.2177, 0.2990**.

Distribution



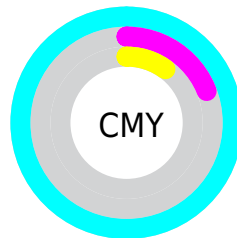
- Red (0%)
- Green (81%)
- Blue (90%)



- Red (0%)
- Yellow (43%)
- Blue (90%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (19%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8558, 0.2154, 0.2954 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 49.8558, 0.2154, 0.2954 by changing the saturation by 10% instead.

 49.8558, 0.2154,
0.2954

 49.8558, 0.2154,
0.2954


 386.1018, 0.2614,
0.3135

 35.2988, 0.2048,
0.2906


 89.9612, 0.2315,
0.3022


 23.8932, 0.1918,
0.2843


 116.2784, 0.2377,
0.3047


 15.2544, 0.1753,
0.2758


 147.2845, 0.2430,
0.3068

 8.9981, 0.1542,
0.2638

 183.3638, 0.2477,
0.3086

 4.7400, 0.1264,
0.2458

 224.9008, 0.2517,
0.3101

 2.0955, 0.0895,
0.2171

 272.2799, 0.2553,

 0.6621, 0.0000,

0.3114

0.1716

325.8854, 0.2585,
0.3125

■ 0.0000, 0.0000,
0.0000

■ 49.8558, 0.2154,
0.2954

■ 49.8558, 0.2154,
0.2954

■ 49.8509, 0.2154,
0.2954

■ 51.2050, 0.2177,
0.2990

■ 52.7873, 0.2216,
0.3026

■ 54.6733, 0.2274,
0.3062

■ 56.9032, 0.2350,
0.3099

■ 59.5105, 0.2446,
0.3135

■ 62.5249, 0.2559,
0.3169

■ 65.9728, 0.2687,
0.3203

■ 69.8785, 0.2826,
0.3234

■ 74.2643, 0.2974,
0.3263

Harmonies

Analogous

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



49.8558, 0.2401, 0.3502



49.8558, 0.2154, 0.2954



49.8558, 0.2142, 0.2573

Triad

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



49.8558, 0.2154, 0.2954



49.8558, 0.3342, 0.2683



49.8558, 0.3899, 0.4223

Complementary

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



49.8558, 0.2154, 0.2954



17.4799, 0.6329, 0.3356

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.



49.8558, 0.4206, 0.3898



49.8558, 0.2154, 0.2954



49.8558, 0.3882, 0.3042

Square

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



49.8558, 0.2154, 0.2954



49.8558, 0.2783, 0.2458



49.8558, 0.4208, 0.3471



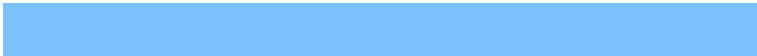
49.8558, 0.3398, 0.4304

Rectangle

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



49.8558, 0.2154, 0.2954



49.8558, 0.2262, 0.2441



49.8558, 0.4208, 0.3471



49.8558, 0.4029, 0.4134

Sweetspot

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



49.8576, 0.2154, 0.2954



83.2757, 0.2684, 0.3202



56.6530, 0.2984, 0.5941



17.4153, 0.2628, 0.3188



0.0000, 0.0000, 0.0000



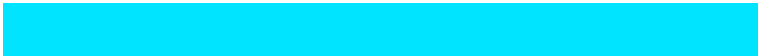
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8576, 0.2154, 0.2954



62.9202, 0.2153, 0.2952



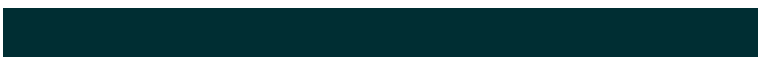
13.3797, 0.1678, 0.1239



16.0658, 0.2982, 0.3265



28.3315, 0.2156, 0.2960



2.1679, 0.2170, 0.3012

Inverse Universe

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



21.2808, 0.3495, 0.1699



26.8830, 0.3497, 0.1700



35.0115, 0.5132, 0.4306



14.5879, 0.3154, 0.3082



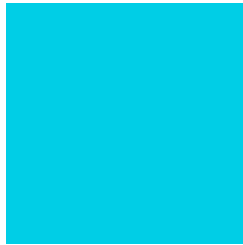
12.0578, 0.3490, 0.1696



0.8985, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 49.8558, 0.2154, 0.2954 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 49.8558, 0.2154, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

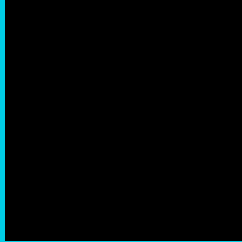
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8558, 0.2154, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 49.8558, 0.2154, 0.2954.



This preview shows how white text looks on a background with the Yxy color 49.8558, 0.2154, 0.2954.

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

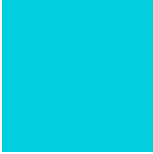
49.8558, 0.2154, 0.2954

Protanopia

48.8906, 0.2866, 0.2905

Deuteranopia

48.9190, 0.2716, 0.2653



Tritanopia

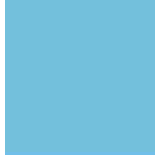
49.9534, 0.2184, 0.3062

Trichromacy



Original Color

49.8558, 0.2154, 0.2954



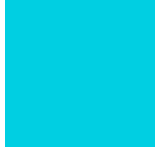
Protanomaly

46.5114, 0.2428, 0.2907



Deuteranomaly

46.6555, 0.2351, 0.2732



Tritanomaly

50.1166, 0.2173, 0.3021

Monochromacy



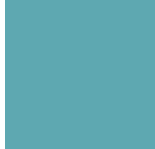
Original Color

49.8558, 0.2154, 0.2954



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.5593, 0.2487, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8558, 0.2154, 0.2954 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, 206, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 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(0, 206, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 230) }
```

Border

The CSS property to change the border of an element to Yxy 49.8558, 0.2154, 0.2954 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, 206, 230) }
```

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

```
.border{ border-color:rgb(0, 206, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8558, 0.2154, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 230) }
```

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

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