

Converting Colors

$Y_{xy}(54.4670, 0.2203, 0.3131)$

Have a look what the booklet for
Yxy(54.4670, 0.2203, 0.3131)
contains.

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Color

Yxy(54.6578, 0.2205, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	01D8E3
RGB	1, 216, 227
RGB Percent	0%, 85%, 89%
CMY	0.9958, 0.1530, 0.1098
CMYK	1.00, 0.05, 0.00, 0.11
HSL	183°, 99%, 45%
HSV	183°, 100%, 89%
XYZ	38.4313, 54.6578, 81.2024
YIQ	152.9690, -131.6710, -42.1590

Conversions

Conversions Part 2

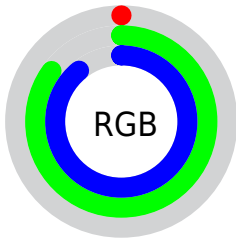
Format	Color
<code>RYB</code>	<code>1, 111, 227</code>
Decimal	<code>121059</code>
CIELab	<code>78.84, -39.08, -17.85</code>
CIELCh	<code>79, 42.961, 204.545</code>
Yxy	<code>54.6578, 0.2205, 0.3136</code>
Android (<code>android.graphics.Color</code>)	<code>4278311139</code> (<code>0xFF01D8E3</code>)
YUV	<code>152.9690, 36.4973, -133.2768</code>
Hunter-Lab	<code>73.9309, -36.5900, -13.3698</code>

Details

The Yxy color **54.6578, 0.2205, 0.3136** 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 **16.6000, 0.6367, 0.3321**, and the grayscale version is **31.7311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **28.1202, 0.2187, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **54.6257, 0.2204, 0.3135**, and if you desaturate by 10%, it is **55.4136, 0.2223, 0.3152**.

Distribution



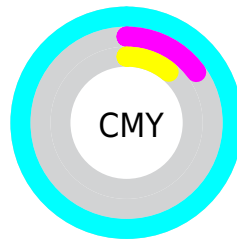
- Red (0%)
- Green (85%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6578, 0.2205, 0.3136 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 54.6578, 0.2205, 0.3136 by changing the saturation by 10% instead.

 54.6578, 0.2205,
0.3136


 54.6578, 0.2205,
0.3136


404.6135, 0.2637,
0.3226


 39.1278, 0.2106,
0.3110


 97.0394, 0.2355,
0.3171


 26.8592, 0.1985,
0.3076


 124.6598, 0.2414,
0.3184


 17.4675, 0.1832,
0.3028


 157.0791, 0.2464,
0.3194

 10.5684, 0.1634,
0.2957

 194.6818, 0.2508,
0.3203

 5.7774, 0.1374,
0.2847

 237.8521, 0.2546,
0.3210

 2.7102, 0.1023,
0.2659

286.9746, 0.2580,

 0.9824, 0.0000,

0.3216

0.2442

342.4336, 0.2610,
0.3222

■ 0.0000, 0.0000,
0.0000

■ 54.6578, 0.2205,
0.3136

■ 54.6578, 0.2205,
0.3136

■ 54.6257, 0.2204,
0.3135

■ 55.4136, 0.2223,
0.3152

■ 56.3872, 0.2255,
0.3168

■ 57.6439, 0.2306,
0.3185

■ 59.2221, 0.2377,
0.3201

■ 61.1541, 0.2467,
0.3218

■ 63.4684, 0.2574,
0.3234

■ 66.1903, 0.2697,
0.3249

■ 69.3433, 0.2834,
0.3264

■ 72.9489, 0.2981,
0.3278

Harmonies

Analogous

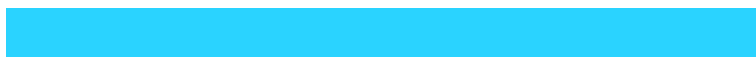
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.6578, 0.2535, 0.3715



54.6578, 0.2205, 0.3136



54.6578, 0.2107, 0.2677

Triad

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



54.6578, 0.2205, 0.3136



54.6578, 0.3132, 0.2576



54.6578, 0.4050, 0.4136

Complementary

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



54.6578, 0.2205, 0.3136



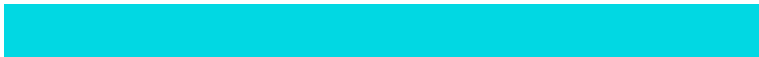
16.6000, 0.6367, 0.3321

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.



54.6578, 0.4261, 0.3754



54.6578, 0.2205, 0.3136



54.6578, 0.3709, 0.2896

Square

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



54.6578, 0.2205, 0.3136



54.6578, 0.2603, 0.2409



54.6578, 0.4139, 0.3312



54.6578, 0.3597, 0.4327

Rectangle

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



54.6578, 0.2205, 0.3136



54.6578, 0.2173, 0.2490



54.6578, 0.4139, 0.3312



54.6578, 0.4154, 0.4022

Sweetspot

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



54.6598, 0.2205, 0.3136



85.9068, 0.2689, 0.3248



54.9685, 0.2996, 0.5981



18.0548, 0.2635, 0.3242



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.



54.6598, 0.2205, 0.3136



71.0601, 0.2204, 0.3134



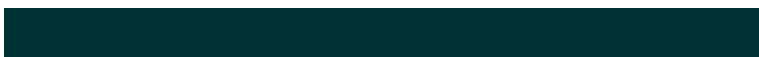
15.9680, 0.1738, 0.1454



16.2095, 0.2982, 0.3278



31.9068, 0.2205, 0.3138



2.3951, 0.2212, 0.3161

Inverse Universe

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



21.3131, 0.3336, 0.1613



27.7047, 0.3338, 0.1612



30.1499, 0.5319, 0.4155



14.6025, 0.3145, 0.3070



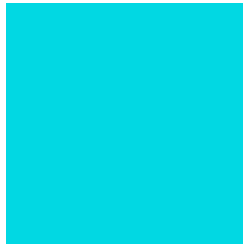
12.4187, 0.3335, 0.1611



0.9215, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 54.6578, 0.2205, 0.3136 looks on a white background.

Color Contrast Check

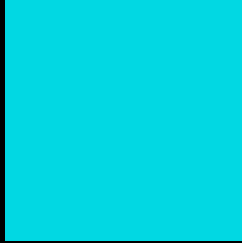
Large Text (above 18pt) WCAG AA × Fail

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 54.6578, 0.2205, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

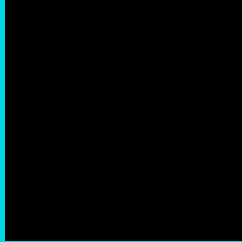
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.6578, 0.2205, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 54.6578, 0.2205, 0.3136.



This preview shows how white text looks on a background with the Yxy color 54.6578, 0.2205, 0.3136.

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

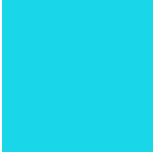
54.6642, 0.2205, 0.3136

Protanopia

53.6592, 0.2981, 0.3049

Deuteranopia

53.6158, 0.2844, 0.2777



Tritanopia

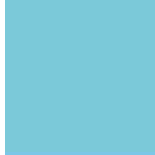
54.6907, 0.2193, 0.3044

Trichromacy



Original Color

54.6642, 0.2205, 0.3136



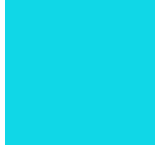
Protanomaly

50.9940, 0.2507, 0.3074



Deuteranomaly

50.8273, 0.2430, 0.2872



Tritanomaly

54.4806, 0.2194, 0.3070

Monochromacy



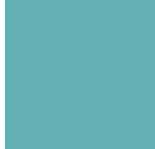
Original Color

54.6642, 0.2205, 0.3136



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.9426, 0.2515, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.6578, 0.2205, 0.3136 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 216, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 216, 227) }
```

Border

The CSS property to change the border of an element to Yxy 54.6578, 0.2205, 0.3136 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, 227) }
```

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

```
.border{ border-color:rgb(1, 216, 227) }
```

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, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 216,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 54.6578, 0.2205, 0.3136 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, 227) }
```

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

```
.background{ background-color: rgb(1, 216,  
227) }
```

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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