

Converting Colors

$Y_{xy}(54.9471, 0.2228, 0.3222)$

Have a look what the booklet for
Yxy(54.9471, 0.2228, 0.3222)
contains.

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Color

Yxy(54.8996, 0.2227, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	00D9DE
RGB	0, 217, 222
RGB Percent	0%, 85%, 87%
CMY	1.0000, 0.1490, 0.1294
CMYK	1.00, 0.02, 0.00, 0.13
HSL	181°, 100%, 44%
HSV	181°, 100%, 87%
XYZ	37.9930, 54.8996, 77.7090
YIQ	152.6870, -130.9370, -44.4490

Conversions

Conversions Part 2

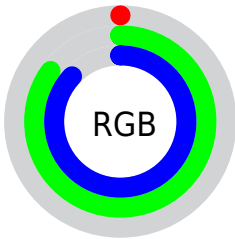
Format	Color
RYB	0, 110, 222
Decimal	55774
CIELab	78.98, -41.09, -14.97
CIELCh	79, 43.732, 200.013
Yxy	54.8996, 0.2227, 0.3218
Android (android.graphics.Color)	4278245854 (0xFF00D9DE)
YUV	152.6870, 34.1713, -133.9065
Hunter-Lab	74.0943, -38.1363, -10.3165

Details

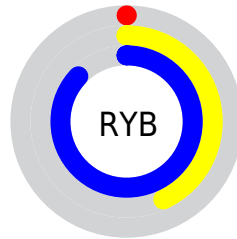
The Yxy color **54.8996, 0.2227, 0.3218** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.6401, 0.6388, 0.3310**, and the grayscale version is **31.6067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **28.2798, 0.2216, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **54.9053, 0.2227, 0.3218**, and if you desaturate by 10%, it is **55.3365, 0.2242, 0.3225**.

Distribution



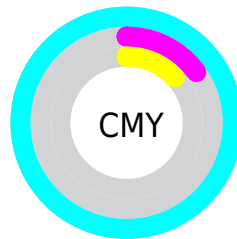
- Red (0%)
- Green (85%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8996, 0.2227, 0.3218 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 54.8996, 0.2227, 0.3218 by changing the saturation by 10% instead.


 54.8996, 0.2227,
0.3218

 54.8996, 0.2227,
0.3218


405.5312, 0.2650,
0.3268

 39.3213, 0.2130,
0.3202


 97.3938, 0.2374,
0.3239

 27.0098, 0.2010,
0.3180


 125.0786, 0.2432,
0.3246


 17.5806, 0.1859,
0.3148


 157.5677, 0.2481,
0.3251

 10.6493, 0.1664,
0.3099

 195.2454, 0.2523,
0.3256

 5.8315, 0.1404,
0.3018

 238.4963, 0.2561,
0.3260

 2.7429, 0.1051,
0.2871

287.7046, 0.2594,

 0.9990, 0.0000,

0.3263

0.2729

343.2548, 0.2623,
0.3265

■ 0.0000, 0.0000,
0.0000

■ 54.8996, 0.2227,
0.3218

■ 54.8996, 0.2227,
0.3218

■ 54.9053, 0.2227,
0.3218

■ 55.3365, 0.2242,
0.3225

■ 55.9671, 0.2271,
0.3233

■ 56.8619, 0.2318,
0.3240

■ 58.0574, 0.2384,
0.3248

■ 59.5846, 0.2470,
0.3256

■ 61.4703, 0.2574,
0.3263

■ 63.7389, 0.2694,
0.3270

■ 66.4125, 0.2828,
0.3277

■ 69.5116, 0.2974,
0.3284

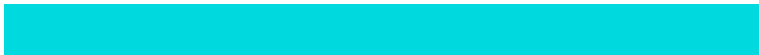
Harmonies

Analogous

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



54.8996, 0.2594, 0.3809



54.8996, 0.2227, 0.3218



54.8996, 0.2092, 0.2724

Triad

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



54.8996, 0.2227, 0.3218



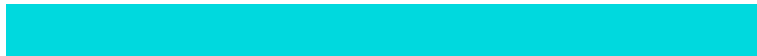
54.8996, 0.3043, 0.2529



54.8996, 0.4116, 0.4098

Complementary

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



54.8996, 0.2227, 0.3218



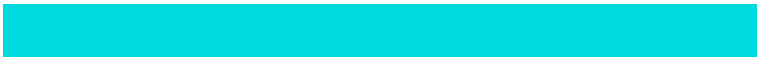
15.6401, 0.6388, 0.3310

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.



54.8996, 0.4284, 0.3693



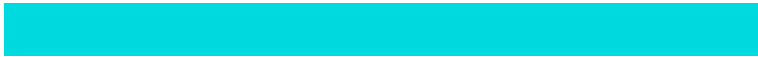
54.8996, 0.2227, 0.3218



54.8996, 0.3635, 0.2833

Square

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



54.8996, 0.2227, 0.3218



54.8996, 0.2526, 0.2387



54.8996, 0.4107, 0.3243



54.8996, 0.3683, 0.4333

Rectangle

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



54.8996, 0.2227, 0.3218



54.8996, 0.2135, 0.2512



54.8996, 0.4107, 0.3243



54.8996, 0.4207, 0.3975

Sweetspot

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



54.9053, 0.2227, 0.3218



87.1694, 0.2691, 0.3270



52.2571, 0.2998, 0.5992



18.3624, 0.2638, 0.3267



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.



54.9053, 0.2227, 0.3218



75.1286, 0.2227, 0.3217



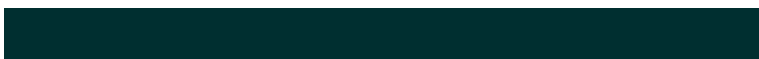
15.8539, 0.1751, 0.1502



15.5165, 0.2982, 0.3284



32.6321, 0.2228, 0.3219



2.2789, 0.2231, 0.3230

Inverse Universe

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



20.5418, 0.3267, 0.1573



28.1154, 0.3267, 0.1574



27.7261, 0.5375, 0.4114



13.9300, 0.3141, 0.3064



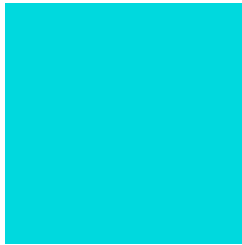
12.2023, 0.3266, 0.1573



0.8475, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 54.8996, 0.2227, 0.3218 looks on a white background.

Color Contrast Check

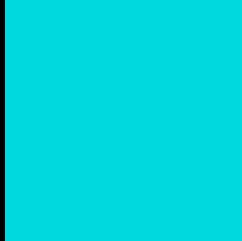
Large Text (above 18pt) WCAG AA × Fail

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 54.8996, 0.2227, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

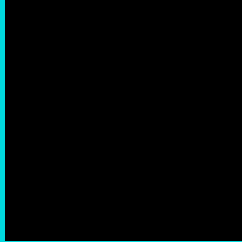
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8996, 0.2227, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 54.8996, 0.2227, 0.3218.



This preview shows how white text looks on a background with the Yxy color 54.8996, 0.2227, 0.3218.

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

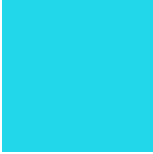
54.8996, 0.2227, 0.3218

Protanopia

54.1143, 0.3032, 0.3121

Deuteranopia

53.7324, 0.2899, 0.2834



Tritanopia

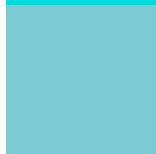
54.8242, 0.2203, 0.3045

Trichromacy



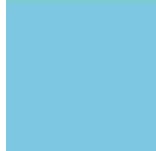
Original Color

54.8996, 0.2227, 0.3218



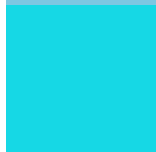
Protanomaly

51.2055, 0.2536, 0.3153



Deuteranomaly

50.6978, 0.2466, 0.2934



Tritanomaly

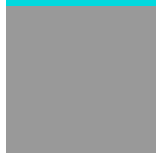
54.9394, 0.2209, 0.3110

Monochromacy



Original Color

54.8996, 0.2227, 0.3218



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.8064, 0.2521, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8996, 0.2227, 0.3218 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, 217, 222)` looks like.

```
.text, #text, p{  
  color:rgb(0, 217, 222)  
}
```

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, 217, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 222) }
```

Border

The CSS property to change the border of an element to Yxy 54.8996, 0.2227, 0.3218 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, 217, 222) }
```

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

```
.border{ border-color:rgb(0, 217, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8996, 0.2227, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 222) }
```

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

```
.background{ background-color: rgb(0, 217,  
222) }
```

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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