

Converting Colors

$Yxy(54.8967, 0.2372, 0.3309)$

Have a look what the booklet for
Yxy(54.8967, 0.2372, 0.3309)
contains.

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Color

Yxy(54.9828, 0.2374, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	4DD7D5
RGB	77, 215, 213
RGB Percent	30%, 84%, 84%
CMY	0.6979, 0.1569, 0.1646
CMYK	0.64, 0.00, 0.01, 0.16
HSL	179°, 63%, 57%
HSV	179°, 64%, 84%
XYZ	39.3753, 54.9828, 71.5025
YIQ	173.5100, -81.6060, -29.8780

Conversions

Conversions Part 2

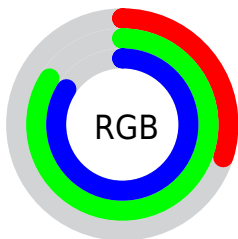
Format	Color
RYB	77, 147, 215
Decimal	5101525
CIELab	79.03, -36.88, -9.99
CIELCh	79, 38.214, 195.159
Yxy	54.9828, 0.2374, 0.3315
Android (android.graphics.Color)	4283291605 (0xFF4DD7D5)
YUV	173.5100, 19.4686, -84.6393
Hunter-Lab	74.1504, -34.9762, -5.2675

Details

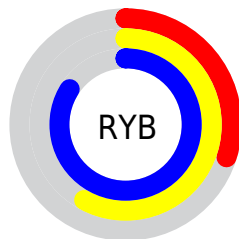
The Yxy color **54.9828, 0.2374, 0.3315** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.3248, 0.5172, 0.3276**, and the grayscale version is **41.9998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **27.6102, 0.2257, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **54.2174, 0.2319, 0.3320**, and if you desaturate by 10%, it is **56.0479, 0.2448, 0.3311**.

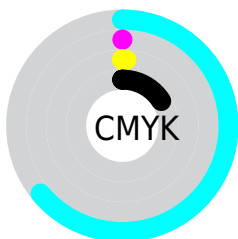
Distribution



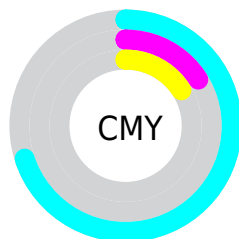
- Red (30%)
- Green (84%)
- Blue (84%)



- Red (30%)
- Yellow (58%)
- Blue (84%)



- Cyan (64%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)





- Cyan (70%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9828, 0.2374, 0.3315 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 54.9828, 0.2374, 0.3315 by changing the saturation by 10% instead.


 54.9828, 0.2374,
0.3315

 54.9828, 0.2374,
0.3315


405.8467, 0.2731,
0.3312

 39.3880, 0.2291,
0.3313

 97.5158, 0.2499,
0.3316


 27.0617, 0.2187,
0.3309


 125.2226, 0.2548,
0.3316

 17.6195, 0.2055,
0.3301


 157.7357, 0.2589,
0.3316

 10.6772, 0.1881,
0.3286

 195.4392, 0.2625,
0.3315

 5.8502, 0.1645,
0.3257

238.7177, 0.2657,
0.3314

 2.7542, 0.1309,
0.3191

287.9556, 0.2685,

 1.0048, 0.0161,

0.3314

0.3243

343.5371, 0.2709,
0.3313

0.0000, 0.0000,
0.0000

54.9828, 0.2374,
0.3315

54.9828, 0.2374,
0.3315

54.2174, 0.2319,
0.3320

56.0479, 0.2448,
0.3311

53.7150, 0.2283,
0.3324

57.4327, 0.2541,
0.3306

53.4408, 0.2264,
0.3329

59.1626, 0.2652,
0.3302

53.3496, 0.2259,
0.3331

61.2589, 0.2777,
0.3298

63.7410, 0.2915,
0.3295

■ 66.6271, 0.3063,
0.3291

■ 69.9342, 0.3218,
0.3288

■ 73.6782, 0.3376,
0.3286

■ 74.8075, 0.3419,
0.3283

Harmonies

Analogous

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



54.9828, 0.2731, 0.3815



54.9828, 0.2374, 0.3315



54.9828, 0.2215, 0.2859

Triad

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



54.9828, 0.2374, 0.3315



54.9828, 0.2976, 0.2583



54.9828, 0.4039, 0.3959

Complementary

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



54.9828, 0.2374, 0.3315



20.3248, 0.5172, 0.3276

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.



54.9828, 0.4134, 0.3592



54.9828, 0.2374, 0.3315



54.9828, 0.3491, 0.2835

Square

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



54.9828, 0.2374, 0.3315



54.9828, 0.2539, 0.2485



54.9828, 0.3930, 0.3192



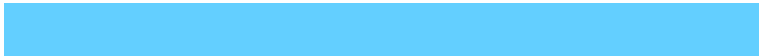
54.9828, 0.3694, 0.4186

Rectangle

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



54.9828, 0.2374, 0.3315



54.9828, 0.2230, 0.2646



54.9828, 0.3930, 0.3192



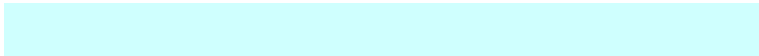
54.9828, 0.4102, 0.3846

Sweetspot

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



54.9849, 0.2374, 0.3315



91.8961, 0.2845, 0.3296



50.8134, 0.3041, 0.5348



19.4490, 0.2805, 0.3297



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.



54.9849, 0.2374, 0.3315



79.4793, 0.2304, 0.3321



27.7653, 0.2128, 0.2276



14.1047, 0.2985, 0.3293



31.9114, 0.2259, 0.3331



1.9258, 0.2256, 0.3323

Inverse Universe

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



20.3248, 0.5172, 0.3276



24.6940, 0.5797, 0.3280



34.8449, 0.4579, 0.4060



12.4237, 0.3289, 0.3287



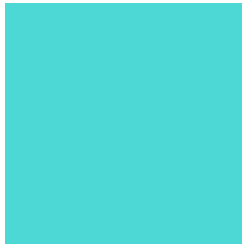
8.6465, 0.6384, 0.3291



0.5225, 0.6331, 0.3262

Previews

White Background



This preview shows how the Yxy color 54.9828, 0.2374, 0.3315 looks on a white background.

Color Contrast Check

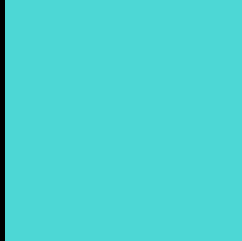
Large Text (above 18pt) WCAG AA × Fail

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 54.9828, 0.2374, 0.3315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

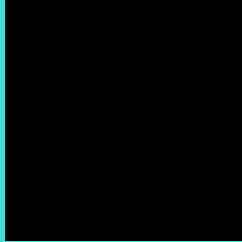
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

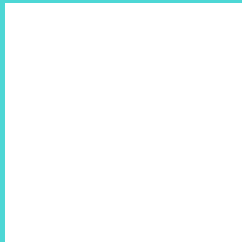
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9828, 0.2374, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 54.9828, 0.2374, 0.3315.

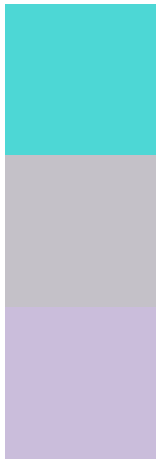


This preview shows how white text looks on a background with the Yxy color 54.9828, 0.2374, 0.3315.

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

54.9828, 0.2374, 0.3315

Protanopia

54.0458, 0.3099, 0.3205

Deuteranopia

54.0662, 0.3009, 0.2939



Tritanopia

54.7314, 0.2316, 0.3048

Trichromacy



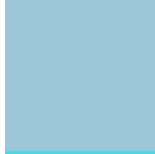
Original Color

54.9828, 0.2374, 0.3315



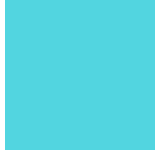
Protanomaly

52.9534, 0.2753, 0.3237



Deuteranomaly

52.5660, 0.2702, 0.3047



Tritanomaly

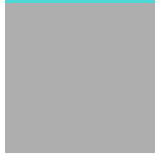
54.7642, 0.2335, 0.3139

Monochromacy



Original Color

54.9828, 0.2374, 0.3315



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.5150, 0.2752, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9828, 0.2374, 0.3315 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(77, 215, 213)` looks like.

```
.text, #text, p{  
    color:rgb(77, 215, 213)  
}
```

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(77, 215, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 215, 213) }
```

Border

The CSS property to change the border of an element to Yxy 54.9828, 0.2374, 0.3315 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(77, 215, 213) }
```

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

```
.border{ border-color:rgb(77, 215, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 215, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 215, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 215, 213);  
box-shadow:4px 4px 4px 4px rgb(77, 215,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9828, 0.2374, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 215, 213) }
```

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

```
.background{ background-color: rgb(77, 215,  
213) }
```

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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