

Converting Colors

$Y_{xy}(54.1262, 0.2300, 0.3318)$

Have a look what the booklet for
Yxy(54.1262, 0.2300, 0.3318)
contains.

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Color

Yxy(53.9858, 0.2299, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	2ED7D5
RGB	46, 215, 213
RGB Percent	18%, 84%, 84%
CMY	0.8204, 0.1568, 0.1648
CMYK	0.79, 0.00, 0.01, 0.16
HSL	179°, 68%, 51%
HSV	179°, 79%, 84%
XYZ	37.4286, 53.9858, 71.3895
YIQ	164.2410, -100.0820, -36.4500

Conversions

Conversions Part 2

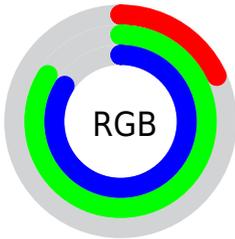
Format	Color
R _Y B	46, 131, 215
Decimal	3069909
CIE Lab	78.45, -40.64, -10.90
CIE LCh	78, 42.076, 195.011
Yxy	53.9858, 0.2299, 0.3316
Android (android.graphics.Color)	4281259989 (0xFF2ED7D5)
YUV	164.2410, 24.0382, -103.6974
Hunter-Lab	73.4750, -37.6523, -6.1746

Details

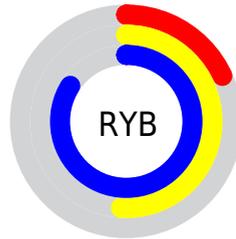
The Yxy color **53.9858, 0.2299, 0.3316** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.5990, 0.5841, 0.3284**, and the grayscale version is **37.1362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **27.2649, 0.2252, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **53.5965, 0.2271, 0.3320**, and if you desaturate by 10%, it is **54.6286, 0.2345, 0.3312**.

Distribution



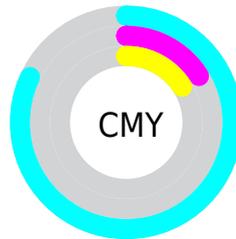
- Red (18%)
- Green (84%)
- Blue (84%)



- Red (18%)
- Yellow (51%)
- Blue (84%)



- Cyan (79%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (82%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9858, 0.2299, 0.3316 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 53.9858, 0.2299, 0.3316 by changing the saturation by 10% instead.

 53.9858, 0.2299,
0.3316

 53.9858, 0.2299,
0.3316

402.0559, 0.2692,
0.3315

 38.5903, 0.2208,
0.3313

 96.0534, 0.2437,
0.3318

 26.4412, 0.2094,
0.3307

 123.4943, 0.2490,
0.3318

 17.1540, 0.1950,
0.3297

 155.7191, 0.2536,
0.3318

 10.3443, 0.1761,
0.3278

 193.1122, 0.2575,
0.3317

 5.6279, 0.1506,
0.3239

 236.0581, 0.2610,
0.3317

 2.6201, 0.1149,
0.3156

284.9410, 0.2640,

 0.9368, 0.0000,

0.3316

0.3154

340.1455, 0.2668,
0.3316

■ 0.0000, 0.0000,
0.0000

■ 53.9858, 0.2299,
0.3316

■ 53.9858, 0.2299,
0.3316

■ 53.5965, 0.2271,
0.3320

■ 54.6286, 0.2345,
0.3312

■ 53.4037, 0.2258,
0.3324

■ 55.5517, 0.2411,
0.3309

■ 53.3840, 0.2257,
0.3324

■ 56.7852, 0.2496,
0.3305

■ 58.3535, 0.2598,
0.3301

■ 60.2789, 0.2718,
0.3298

■ 62.5816, 0.2851,
0.3295

■ 65.2802, 0.2995,
0.3292

■ 68.3923, 0.3147,
0.3290

■ 71.9342, 0.3305,
0.3287

Harmonies

Analogous

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



53.9858, 0.2689, 0.3879



53.9858, 0.2299, 0.3316



53.9858, 0.2127, 0.2810

Triad

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



53.9858, 0.2299, 0.3316



53.9858, 0.2954, 0.2515



53.9858, 0.4133, 0.4018

Complementary

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



53.9858, 0.2299, 0.3316



16.5990, 0.5841, 0.3284

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.



53.9858, 0.4242, 0.3612



53.9858, 0.2299, 0.3316



53.9858, 0.3526, 0.2788

Square

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



53.9858, 0.2299, 0.3316



53.9858, 0.2477, 0.2408



53.9858, 0.4015, 0.3176



53.9858, 0.3750, 0.4280

Rectangle

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



53.9858, 0.2299, 0.3316



53.9858, 0.2144, 0.2578



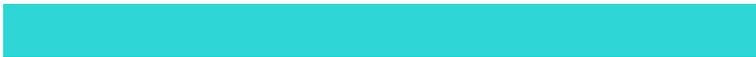
53.9858, 0.4015, 0.3176



53.9858, 0.4205, 0.3892

Sweetspot

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



53.9878, 0.2299, 0.3316



90.1358, 0.2776, 0.3297



49.4473, 0.3020, 0.5735



19.0421, 0.2729, 0.3298



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.



53.9878, 0.2299, 0.3316



78.6606, 0.2262, 0.3322



22.3195, 0.1954, 0.2000



14.1052, 0.2984, 0.3292



31.9264, 0.2257, 0.3323



1.9265, 0.2255, 0.3317

Inverse Universe

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



16.5990, 0.5841, 0.3284



21.6544, 0.6316, 0.3293



29.9747, 0.4984, 0.4129



12.4232, 0.3289, 0.3288



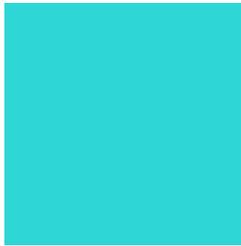
8.6456, 0.6387, 0.3292



0.5223, 0.6343, 0.3268

Previews

White Background



This preview shows how the Yxy color 53.9858, 0.2299, 0.3316 looks on a white background.

Color Contrast Check

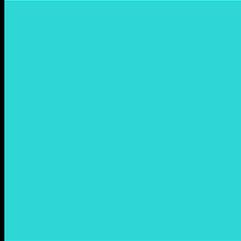
Large Text (above 18pt) WCAG AA × Fail

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 53.9858, 0.2299, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

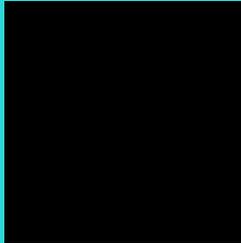
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

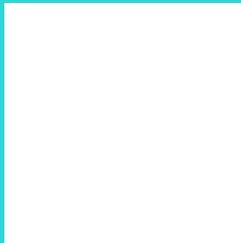
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.9858, 0.2299, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 53.9858, 0.2299, 0.3316.



This preview shows how white text looks on a background with the Yxy color 53.9858, 0.2299, 0.3316.

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

53.9858, 0.2299, 0.3316

Protanopia

52.8545, 0.3091, 0.3192

Deuteranopia

53.2230, 0.2985, 0.2925



Tritanopia

53.7299, 0.2245, 0.3044

Trichromacy



Original Color

53.9858, 0.2299, 0.3316



Protanomaly

51.2436, 0.2675, 0.3235



Deuteranomaly

51.2376, 0.2614, 0.3041



Tritanomaly

53.7546, 0.2262, 0.3137

Monochromacy



Original Color

53.9858, 0.2299, 0.3316



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

41.3093, 0.2660, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9858, 0.2299, 0.3316 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(46, 215, 213)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 215, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 215, 213) }
```

Border

The CSS property to change the border of an element to Yxy 53.9858, 0.2299, 0.3316 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(46, 215, 213) }
```

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

```
.border{ border-color:rgb(46, 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(46, 215, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 215, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 215, 213);  
box-shadow:4px 4px 4px 4px rgb(46, 215,  
213) }
```

Background

The CSS property to change the background color of an element to Yxy 53.9858, 0.2299, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 215, 213) }
```

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

```
.background{ background-color: rgb(46, 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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