

Converting Colors

$Y_{xy}(59.1753, 0.2385, 0.3307)$

Have a look what the booklet for
Yxy(59.1753, 0.2385, 0.3307)
contains.

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Color

Yxy(59.2947, 0.2387, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	54DEDC
RGB	84, 222, 220
RGB Percent	33%, 87%, 86%
CMY	0.6699, 0.1295, 0.1372
CMYK	0.62, 0.00, 0.01, 0.13
HSL	179°, 68%, 60%
HSV	179°, 62%, 87%
XYZ	42.7086, 59.2947, 76.9185
YIQ	180.5100, -81.6060, -29.8780

Conversions

Conversions Part 2

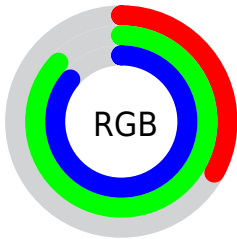
Format	Color
RYB	84, 154, 222
Decimal	5562076
CIELab	81.45, -37.09, -10.10
CIELCh	81, 38.440, 195.233
Yxy	59.2947, 0.2387, 0.3314
Android (android.graphics.Color)	4283752156 (0xFF54DEDC)
YUV	180.5100, 19.4686, -84.6393
Hunter-Lab	77.0031, -35.7529, -5.3228

Details

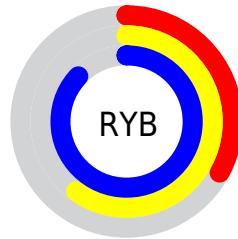
The Yxy color **59.2947, 0.2387, 0.3314** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.5685, 0.5078, 0.3275**, and the grayscale version is **45.8818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **29.9890, 0.2252, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **58.4107, 0.2328, 0.3319**, and if you desaturate by 10%, it is **60.5079, 0.2465, 0.3310**.

Distribution



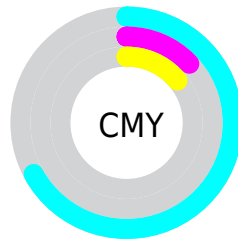
- Red (33%)
- Green (87%)
- Blue (86%)



- Red (33%)
- Yellow (60%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)




- Cyan (67%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2947, 0.2387, 0.3314 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 59.2947, 0.2387, 0.3314 by changing the saturation by 10% instead.

 59.2947, 0.2387,
0.3314


 59.2947, 0.2387,
0.3314


421.9932, 0.2734,
0.3312


 42.8504, 0.2307,
0.3312

 103.8059, 0.2508,
0.3315


 29.7678, 0.2209,
0.3308


 132.6415, 0.2555,
0.3315

 19.6624, 0.2084,
0.3301


 166.3764, 0.2595,
0.3315

 12.1499, 0.1921,
0.3288

 205.3949, 0.2630,
0.3314

 6.8458, 0.1701,
0.3262

250.0814, 0.2661,
0.3314

 3.3659, 0.1393,
0.3207

300.8204, 0.2688,

 1.3256, 0.0713,

0.3313

357.9962, 0.2712,
0.3312

0.3153

0.1609, 0.0000,
0.1544

0.0000, 0.0000,
0.0000

59.2947, 0.2387,
0.3314

59.2947, 0.2387,
0.3314

58.4107, 0.2328,
0.3319

60.5079, 0.2465,
0.3310

57.8174, 0.2289,
0.3323


62.0712, 0.2562,
0.3305


57.4787, 0.2267,
0.3328


64.0117, 0.2676,
0.3301


57.3410, 0.2259,
0.3331


66.3518, 0.2804,
0.3297

 69.1124, 0.2945,
0.3294

 72.3127, 0.3095,
0.3291

 75.9709, 0.3251,
0.3288

 78.7996, 0.3361,
0.3285

 78.8166, 0.3359,
0.3282

Harmonies

Analogous

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



59.2947, 0.2738, 0.3804



59.2947, 0.2387, 0.3314



59.2947, 0.2231, 0.2867

Triad

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



59.2947, 0.2387, 0.3314



59.2947, 0.2980, 0.2596



59.2947, 0.4021, 0.3948

Complementary

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



59.2947, 0.2387, 0.3314



22.5685, 0.5078, 0.3275

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.



59.2947, 0.4114, 0.3589



59.2947, 0.2387, 0.3314



59.2947, 0.3486, 0.2844

Square

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



59.2947, 0.2387, 0.3314



59.2947, 0.2551, 0.2499



59.2947, 0.3915, 0.3196



59.2947, 0.3683, 0.4169

Rectangle

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



59.2947, 0.2387, 0.3314



59.2947, 0.2246, 0.2657



59.2947, 0.3915, 0.3196



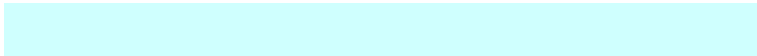
59.2947, 0.4084, 0.3838

Sweetspot

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



59.2970, 0.2387, 0.3314



91.8963, 0.2845, 0.3296



54.8792, 0.3044, 0.5285



19.4491, 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.



59.2970, 0.2387, 0.3314



79.6472, 0.2312, 0.3320



30.7336, 0.2155, 0.2313



15.5688, 0.2984, 0.3293



34.0653, 0.2259, 0.3330



2.3623, 0.2257, 0.3323

Inverse Universe

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



22.5685, 0.5078, 0.3275



25.2977, 0.5711, 0.3279



38.2332, 0.4523, 0.4044



13.7037, 0.3290, 0.3287



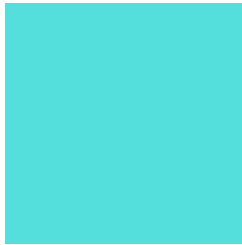
9.2298, 0.6385, 0.3291



0.6409, 0.6338, 0.3265

Previews

White Background



This preview shows how the Yxy color 59.2947, 0.2387, 0.3314 looks on a white background.

Color Contrast Check

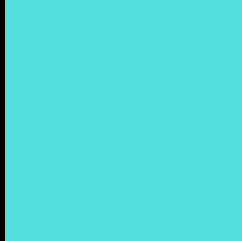
Large Text (above 18pt) WCAG AA × Fail

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 59.2947, 0.2387, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

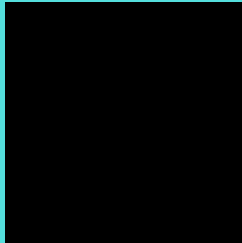
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.2947, 0.2387, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 59.2947, 0.2387, 0.3314.

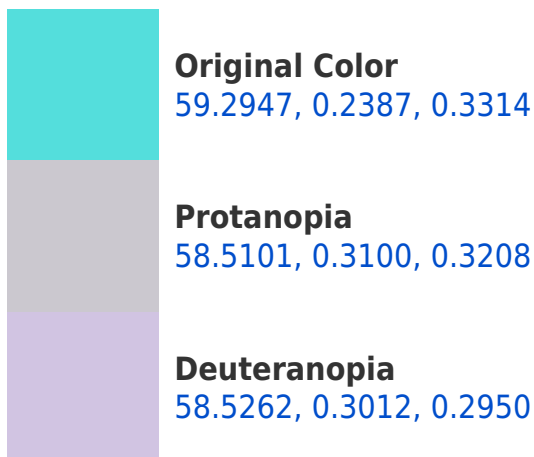


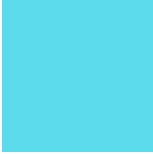
This preview shows how white text looks on a background with the Yxy color 59.2947, 0.2387, 0.3314.

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





Tritanopia

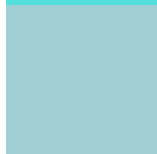
59.0528, 0.2330, 0.3056

Trichromacy



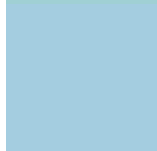
Original Color

59.2947, 0.2387, 0.3314



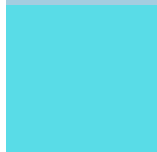
Protanomaly

57.3388, 0.2764, 0.3239



Deuteranomaly

56.9370, 0.2715, 0.3055



Tritanomaly

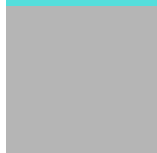
59.0798, 0.2349, 0.3144

Monochromacy



Original Color

59.2947, 0.2387, 0.3314



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.5310, 0.2763, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2947, 0.2387, 0.3314 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(84, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(84, 222, 220)  
}
```

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(84, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 222, 220) }
```

Border

The CSS property to change the border of an element to Yxy 59.2947, 0.2387, 0.3314 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(84, 222, 220) }
```

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

```
.border{ border-color:rgb(84, 222, 220) }
```

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

Here you see how a box with a 4 pixel rgb(84, 222, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(84, 222,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2947, 0.2387, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 222, 220) }
```

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

```
.background{ background-color: rgb(84, 222,  
220) }
```

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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