

Converting Colors

$Yxy(52.2487, 0.2339, 0.3316)$

Have a look what the booklet for
Yxy(52.2487, 0.2339, 0.3316)
contains.

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Color

Yxy(52.2487, 0.2339, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	3FD3D1
RGB	63, 211, 209
RGB Percent	25%, 83%, 82%
CMY	0.7527, 0.1725, 0.1804
CMYK	0.70, 0.00, 0.01, 0.17
HSL	179°, 63%, 54%
HSV	179°, 70%, 83%
XYZ	36.8546, 52.2487, 68.4622
YIQ	166.5200, -87.5660, -31.9980

Conversions

Conversions Part 2

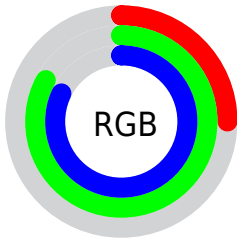
Format	Color
RYP	63, 138, 211
Decimal	4182993
CIELab	77.43, -38.11, -10.26
CIElCh	77, 39.465, 195.062
Yxy	52.2487, 0.2339, 0.3316
Android (android.graphics.Color)	4282373073 (0xFF3FD3D1)
YUV	166.5200, 20.9426, -90.7870
Hunter-Lab	72.2833, -35.4852, -5.5575

Details

The Yxy color **52.2487, 0.2339, 0.3316** 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 **17.7922, 0.5454, 0.3278**, and the grayscale version is **38.3343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **26.1435, 0.2252, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **51.6693, 0.2295, 0.3320**, and if you desaturate by 10%, it is **53.0982, 0.2402, 0.3312**.

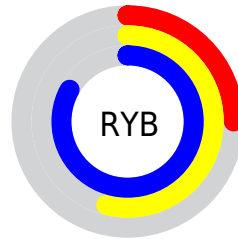
Distribution



Red (25%)

Green (83%)

Blue (82%)



Red (25%)

Yellow (54%)

Blue (83%)

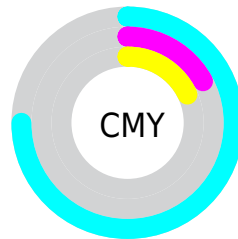


Cyan (70%)

Magenta (0%)

Yellow (1%)

Black (17%)



Cyan (75%)


Magenta (17%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2487, 0.2339, 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 52.2487, 0.2339, 0.3316 by changing the saturation by 10% instead.


 52.2487, 0.2339,
0.3316


 52.2487, 0.2339,
0.3316


395.3960, 0.2716,
0.3314


 37.2033, 0.2251,
0.3314


 93.4979, 0.2472,
0.3317


 25.3650, 0.2140,
0.3309


 120.4706, 0.2523,
0.3317

 16.3492, 0.1999,
0.3300


 152.1878, 0.2567,
0.3317

 9.7716, 0.1813,
0.3282

 189.0339, 0.2604,
0.3316

 5.2478, 0.1559,
0.3246

231.3934, 0.2638,
0.3316

 2.3934, 0.1198,
0.3167

279.6507, 0.2667,

 0.8225, 0.0000,

0.3315

0.3174

334.1901, 0.2693,
0.3314

■ 0.0000, 0.0000,
0.0000

■ 52.2487, 0.2339,
0.3316

■ 52.2487, 0.2339,
0.3316

■ 51.6693, 0.2295,
0.3320

■ 53.0982, 0.2402,
0.3312

■ 51.3217, 0.2270,
0.3325


■ 54.2391, 0.2484,
0.3308


■ 51.1500, 0.2258,
0.3329

■ 55.6972, 0.2584,
0.3304


■ 57.4940, 0.2701,
0.3300

■ 59.6489, 0.2832,
0.3296

 62.1801, 0.2974,
0.3293

 65.1043, 0.3125,
0.3290

 68.4375, 0.3282,
0.3287

 72.1945, 0.3441,
0.3285

Harmonies

Analogous

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



52.2487, 0.2712, 0.3845



52.2487, 0.2339, 0.3316



52.2487, 0.2174, 0.2836

Triad

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



52.2487, 0.2339, 0.3316



52.2487, 0.2965, 0.2551



52.2487, 0.4083, 0.3986

Complementary

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



52.2487, 0.2339, 0.3316



17.7922, 0.5454, 0.3278

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.



52.2487, 0.4184, 0.3601



52.2487, 0.2339, 0.3316



52.2487, 0.3507, 0.2813

Square

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



52.2487, 0.2339, 0.3316



52.2487, 0.2510, 0.2449



52.2487, 0.3970, 0.3184



52.2487, 0.3721, 0.4230

Rectangle

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



52.2487, 0.2339, 0.3316



52.2487, 0.2189, 0.2614



52.2487, 0.3970, 0.3184



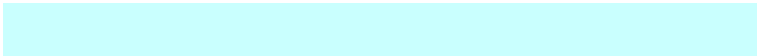
52.2487, 0.4151, 0.3867

Sweetspot

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



52.2507, 0.2339, 0.3316



91.1734, 0.2817, 0.3297



48.0899, 0.3032, 0.5521



19.3088, 0.2779, 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.



52.2507, 0.2339, 0.3316



79.0220, 0.2281, 0.3322



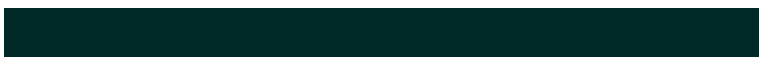
24.3699, 0.2053, 0.2164



13.4042, 0.2985, 0.3293



30.8702, 0.2258, 0.3328



1.7270, 0.2256, 0.3320

Inverse Universe

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



17.7922, 0.5454, 0.3278



23.0117, 0.6064, 0.3285



31.4142, 0.4745, 0.4099



11.8108, 0.3289, 0.3287



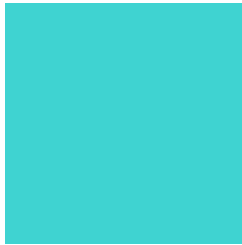
8.3628, 0.6385, 0.3291



0.4685, 0.6332, 0.3262

Previews

White Background



This preview shows how the Yxy color 52.2487, 0.2339, 0.3316 looks on a white background.

Color Contrast Check

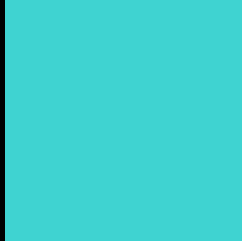
Large Text (above 18pt) WCAG AA × Fail

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 52.2487, 0.2339, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

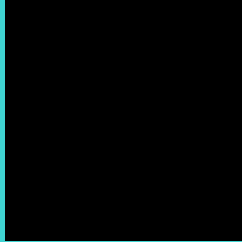
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

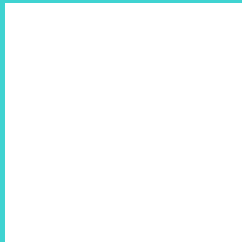
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2487, 0.2339, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 52.2487, 0.2339, 0.3316.

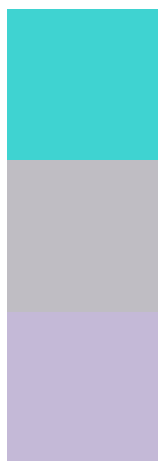


This preview shows how white text looks on a background with the Yxy color 52.2487, 0.2339, 0.3316.

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

52.2487, 0.2339, 0.3316

Protanopia

51.4117, 0.3098, 0.3215

Deuteranopia

51.3400, 0.2990, 0.2931



Tritanopia

51.9645, 0.2287, 0.3055

Trichromacy



Original Color

52.2487, 0.2339, 0.3316



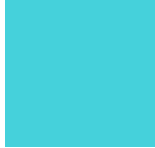
Protanomaly

50.0319, 0.2720, 0.3248



Deuteranomaly

49.6836, 0.2662, 0.3040



Tritanomaly

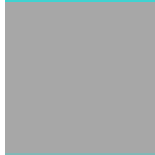
51.9806, 0.2305, 0.3149

Monochromacy



Original Color

52.2487, 0.2339, 0.3316



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.9115, 0.2714, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2487, 0.2339, 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(63, 211, 209)` looks like.

```
.text, #text, p{  
    color:rgb(63, 211, 209)  
}
```

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(63, 211, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 211, 209) }
```

Border

The CSS property to change the border of an element to Yxy 52.2487, 0.2339, 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(63, 211, 209) }
```

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

```
.border{ border-color:rgb(63, 211, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 211, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 211, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 211, 209);  
box-shadow:4px 4px 4px 4px rgb(63, 211,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2487, 0.2339, 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(63, 211, 209) }
```

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

```
.background{ background-color: rgb(63, 211,  
209) }
```

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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