

Converting Colors

$Y_{xy}(55.0793, 0.2352, 0.3414)$

Have a look what the booklet for
Yxy(55.0793, 0.2352, 0.3414)
contains.

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Color

Yxy(55.0793, 0.2352, 0.3414)

Conversions

Conversions Part 1

Format	Color
Hex	3AD9D0
RGB	58, 217, 208
RGB Percent	23%, 85%, 82%
CMY	0.7723, 0.1490, 0.1843
CMYK	0.73, 0.00, 0.04, 0.15
HSL	177°, 68%, 54%
HSV	177°, 73%, 85%
XYZ	37.9457, 55.0793, 68.3087
YIQ	168.4330, -91.8750, -36.5070

Conversions

Conversions Part 2

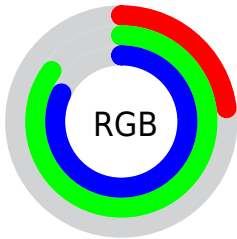
Format	Color
RYB	58, 140, 217
Decimal	3856848
CIELab	79.09, -41.69, -7.27
CIELCh	79, 42.320, 189.891
Yxy	55.0793, 0.2352, 0.3414
Android (android.graphics.Color)	4282046928 (0xFF3AD9D0)
YUV	168.4330, 19.5065, -96.8497
Hunter-Lab	74.2154, -38.6116, -2.6203

Details

The Yxy color **55.0793, 0.2352, 0.3414** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.1902, 0.5510, 0.3218**, and the grayscale version is **39.3276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **27.8228, 0.2283, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **54.5014, 0.2317, 0.3433**, and if you desaturate by 10%, it is **55.9358, 0.2406, 0.3395**.

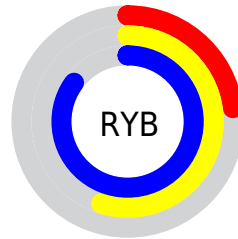
Distribution



Red (23%)

Green (85%)

Blue (82%)



Red (23%)

Yellow (55%)

Blue (85%)

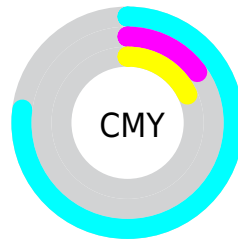


Cyan (73%)

Magenta (0%)

Yellow (4%)

Black (15%)



Cyan (77%)


Magenta (15%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.0793, 0.2352, 0.3414 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 55.0793, 0.2352, 0.3414 by changing the saturation by 10% instead.


 55.0793, 0.2352,
0.3414


 55.0793, 0.2352,
0.3414

406.2125, 0.2721,
0.3362

 39.4652, 0.2266,
0.3424


 97.6571, 0.2482,
0.3397

 27.1218, 0.2159,
0.3435


 125.3897, 0.2531,
0.3391

 17.6647, 0.2022,
0.3447

 157.9305, 0.2574,
0.3385

 10.7096, 0.1842,
0.3459

 195.6640, 0.2611,
0.3379

 5.8719, 0.1597,
0.3467

238.9745, 0.2644,
0.3374

 2.7673, 0.1249,
0.3458

288.2465, 0.2672,

 1.0115, 0.0000,

0.3370

0.3656

343.8644, 0.2698,
0.3366

0.0000, 0.0000,
0.0000

55.0793, 0.2352,
0.3414

55.0793, 0.2352,
0.3414

54.5014, 0.2317,
0.3433

55.9358, 0.2406,
0.3395

54.1587, 0.2300,
0.3452


57.0953, 0.2479,
0.3376


54.0199, 0.2296,
0.3464

58.5864, 0.2571,
0.3358

60.4329, 0.2679,
0.3341

62.6561, 0.2802,
0.3324

 65.2760, 0.2936,
0.3309

 68.3109, 0.3079,
0.3294

 71.7782, 0.3228,
0.3281

 75.6940, 0.3380,
0.3270

Harmonies

Analogous

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



55.0793, 0.2773, 0.3962



55.0793, 0.2352, 0.3414



55.0793, 0.2141, 0.2885

Triad

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



55.0793, 0.2352, 0.3414



55.0793, 0.2863, 0.2485



55.0793, 0.4173, 0.3954

Complementary

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



55.0793, 0.2352, 0.3414



18.1902, 0.5510, 0.3218

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.



55.0793, 0.4226, 0.3537



55.0793, 0.2352, 0.3414



55.0793, 0.3428, 0.2732

Square

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



55.0793, 0.2352, 0.3414



55.0793, 0.2414, 0.2409



55.0793, 0.3946, 0.3104



55.0793, 0.3829, 0.4251

Rectangle

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



55.0793, 0.2352, 0.3414



55.0793, 0.2130, 0.2629



55.0793, 0.3946, 0.3104



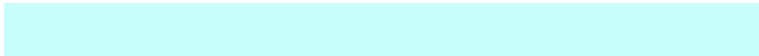
55.0793, 0.4227, 0.3822

Sweetspot

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



55.0814, 0.2352, 0.3414



90.6656, 0.2815, 0.3322



51.1845, 0.3057, 0.5587



19.2031, 0.2780, 0.3327



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.



55.0814, 0.2352, 0.3414



78.2341, 0.2306, 0.3443



27.1310, 0.2047, 0.2231



14.8162, 0.2990, 0.3303



32.7062, 0.2295, 0.3461



2.1228, 0.2286, 0.3431

Inverse Universe

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



18.1902, 0.5510, 0.3218



22.3958, 0.6113, 0.3247



30.2200, 0.4923, 0.4025



13.0634, 0.3283, 0.3277



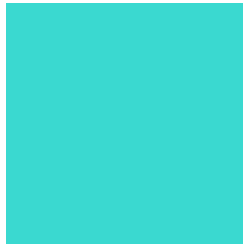
8.9514, 0.6337, 0.3264



0.5842, 0.6149, 0.3161

Previews

White Background



This preview shows how the Yxy color 55.0793, 0.2352, 0.3414 looks on a white background.

Color Contrast Check

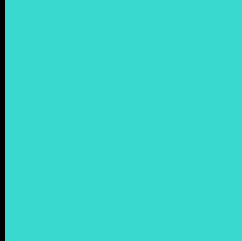
Large Text (above 18pt) WCAG AA × Fail

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 55.0793, 0.2352, 0.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

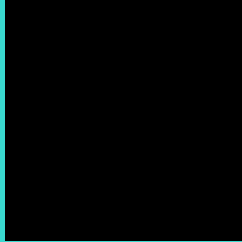
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

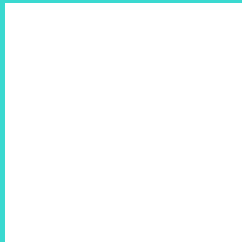
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.0793, 0.2352, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 55.0793, 0.2352, 0.3414.

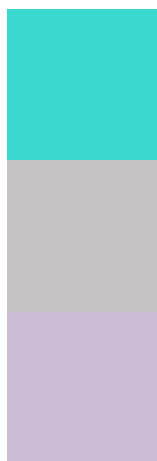


This preview shows how white text looks on a background with the Yxy color 55.0793, 0.2352, 0.3414.

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

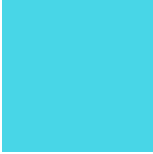
55.0793, 0.2352, 0.3414

Protanopia

54.0407, 0.3160, 0.3278

Deuteranopia

54.0876, 0.3061, 0.2997



Tritanopia

55.2404, 0.2280, 0.3061

Trichromacy



Original Color

55.0793, 0.2352, 0.3414



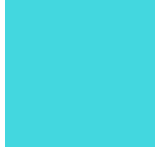
Protanomaly

52.5676, 0.2752, 0.3329



Deuteranomaly

52.1796, 0.2695, 0.3120



Tritanomaly

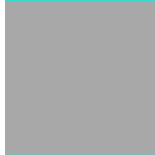
55.1219, 0.2303, 0.3179

Monochromacy



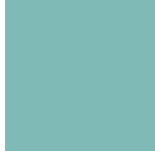
Original Color

55.0793, 0.2352, 0.3414



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.1259, 0.2705, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0793, 0.2352, 0.3414 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(58, 217, 208)` looks like.

```
.text, #text, p{  
    color:rgb(58, 217, 208)  
}
```

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(58, 217, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 217, 208) }
```

Border

The CSS property to change the border of an element to Yxy 55.0793, 0.2352, 0.3414 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(58, 217, 208) }
```

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

```
.border{ border-color:rgb(58, 217, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 217, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 217, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 217, 208);  
box-shadow:4px 4px 4px 4px rgb(58, 217,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0793, 0.2352, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 217, 208) }
```

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

```
.background{ background-color: rgb(58, 217,  
208) }
```

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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