

Converting Colors

$Yxy(55.6519, 0.2311, 0.3228)$

Have a look what the booklet for
Yxy(55.6519, 0.2311, 0.3228)
contains.

Yxy(55.4560, 0.2310, 0.3219)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.4560, 0.2310, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	41D8DD
RGB	65, 216, 221
RGB Percent	25%, 85%, 87%
CMY	0.7445, 0.1530, 0.1333
CMYK	0.71, 0.02, 0.00, 0.13
HSL	182°, 70%, 56%
HSV	182°, 71%, 87%
XYZ	39.7960, 55.4560, 77.0251
YIQ	171.4210, -91.6010, -30.4570

Conversions

Conversions Part 2

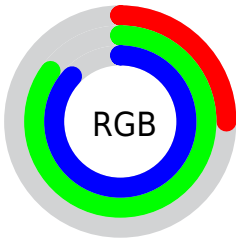
Format	Color
RYB	65, 142, 221
Decimal	4315357
CIELab	79.30, -36.73, -13.89
CIELCh	79, 39.272, 200.712
Yxy	55.4560, 0.2310, 0.3219
Android (android.graphics.Color)	4282505437 (0xFF41D8DD)
YUV	171.4210, 24.4424, -93.3312
Hunter-Lab	74.4688, -34.9302, -9.1971

Details

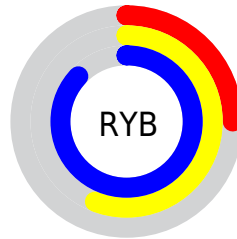
The Yxy color **55.4560, 0.2310, 0.3219** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.1619, 0.5468, 0.3342**, and the grayscale version is **40.8796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **28.2429, 0.2221, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **54.4792, 0.2263, 0.3208**, and if you desaturate by 10%, it is **56.7336, 0.2377, 0.3230**.

Distribution



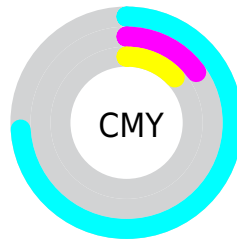
- Red (25%)
- Green (85%)
- Blue (87%)



- Red (25%)
- Yellow (56%)
- Blue (87%)



- Cyan (71%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (74%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4560, 0.2310, 0.3219 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 55.4560, 0.2310, 0.3219 by changing the saturation by 10% instead.

 55.4560, 0.2310,
0.3219

 55.4560, 0.2310,
0.3219


407.6381, 0.2695,
0.3265


 39.7669, 0.2221,
0.3205

 98.2087, 0.2444,
0.3238

 27.3569, 0.2111,
0.3185

 126.0412, 0.2496,
0.3245

 17.8414, 0.1972,
0.3156


 158.6903, 0.2541,
0.3250

 10.8362, 0.1791,
0.3113

 196.5403, 0.2580,
0.3254

 5.9568, 0.1547,
0.3042

239.9757, 0.2614,
0.3258

 2.8188, 0.1209,
0.2914

289.3809, 0.2644,

 1.0379, 0.0222,

0.3261

0.2798

345.1402, 0.2671,
0.3263

■ 0.0000, 0.0000,
0.0000

■ 55.4560, 0.2310,
0.3219

■ 55.4560, 0.2310,
0.3219

■ 54.4792, 0.2263,
0.3208

■ 56.7336, 0.2377,
0.3230

■ 53.7605, 0.2234,
0.3198


■ 58.3367, 0.2462,
0.3241


■ 53.2590, 0.2219,
0.3188

■ 60.2941, 0.2566,
0.3252


■ 62.6299, 0.2687,
0.3262

■ 65.3662, 0.2821,
0.3272

 68.5232, 0.2966,
0.3281

 72.1199, 0.3119,
0.3290

 76.1739, 0.3277,
0.3297

 78.9405, 0.3371,
0.3305

Harmonies

Analogous

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



55.4560, 0.2641, 0.3740



55.4560, 0.2310, 0.3219



55.4560, 0.2189, 0.2778

Triad

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



55.4560, 0.2310, 0.3219



55.4560, 0.3067, 0.2605



55.4560, 0.4011, 0.4031

Complementary

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



55.4560, 0.2310, 0.3219



20.1619, 0.5468, 0.3342

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.



55.4560, 0.4163, 0.3672



55.4560, 0.2310, 0.3219



55.4560, 0.3595, 0.2886

Square

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



55.4560, 0.2310, 0.3219



55.4560, 0.2596, 0.2472



55.4560, 0.4010, 0.3263



55.4560, 0.3622, 0.4225

Rectangle

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



55.4560, 0.2310, 0.3219



55.4560, 0.2232, 0.2586



55.4560, 0.4010, 0.3263



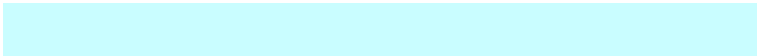
55.4560, 0.4093, 0.3923

Sweetspot

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



55.4581, 0.2310, 0.3219



90.1230, 0.2812, 0.3271



53.2662, 0.3013, 0.5518



19.0546, 0.2773, 0.3268



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.



55.4581, 0.2310, 0.3219



74.7775, 0.2245, 0.3203



25.2503, 0.2025, 0.2071



14.7537, 0.2982, 0.3282



30.9669, 0.2219, 0.3189



2.0293, 0.2224, 0.3206

Inverse Universe

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



24.1311, 0.3255, 0.1780



29.4402, 0.3277, 0.1638



36.2194, 0.4709, 0.4159



13.2672, 0.3143, 0.3067



11.7499, 0.3291, 0.1587



0.7635, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 55.4560, 0.2310, 0.3219 looks on a white background.

Color Contrast Check

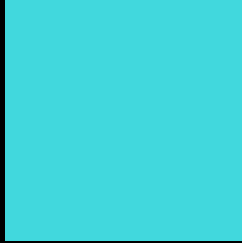
Large Text (above 18pt) WCAG AA × Fail

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 55.4560, 0.2310, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

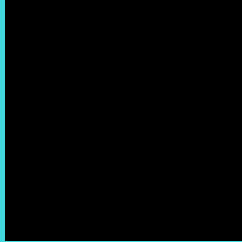
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.4560, 0.2310, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 55.4560, 0.2310, 0.3219.

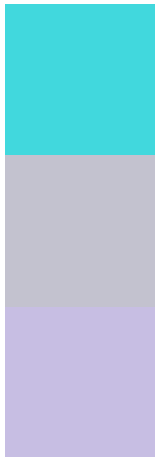


This preview shows how white text looks on a background with the Yxy color 55.4560, 0.2310, 0.3219.

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

55.4560, 0.2310, 0.3219

Protanopia

54.6907, 0.3040, 0.3133

Deuteranopia

54.5151, 0.2929, 0.2860



Tritanopia

55.2970, 0.2276, 0.3048

Trichromacy



Original Color

55.4560, 0.2310, 0.3219



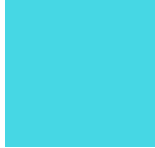
Protanomaly

53.2904, 0.2680, 0.3159



Deuteranomaly

52.7671, 0.2613, 0.2959



Tritanomaly

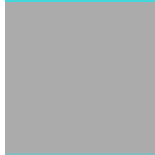
55.5044, 0.2290, 0.3113

Monochromacy



Original Color

55.4560, 0.2310, 0.3219



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.2013, 0.2702, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4560, 0.2310, 0.3219 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(65, 216, 221)` looks like.

```
.text, #text, p{  
    color:rgb(65, 216, 221)  
}
```

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(65, 216, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 216, 221) }
```

Border

The CSS property to change the border of an element to Yxy 55.4560, 0.2310, 0.3219 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(65, 216, 221) }
```

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

```
.border{ border-color:rgb(65, 216, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 216, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 216, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 216, 221);  
box-shadow:4px 4px 4px 4px rgb(65, 216,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4560, 0.2310, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 216, 221) }
```

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

```
.background{ background-color: rgb(65, 216,  
221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor