

Converting Colors

$Y_{xy}(55.2836, 0.2661, 0.3349)$

Have a look what the booklet for
Yxy(55.2836, 0.2661, 0.3349)
contains.

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Color

Yxy(55.2429, 0.2660, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	88D1CD
RGB	136, 209, 205
RGB Percent	53%, 82%, 80%
CMY	0.4667, 0.1804, 0.1962
CMYK	0.35, 0.00, 0.02, 0.18
HSL	177°, 44%, 68%
HSV	177°, 35%, 82%
XYZ	43.9695, 55.2429, 66.0865
YIQ	186.7170, -42.2240, -16.7200

Conversions

Conversions Part 2

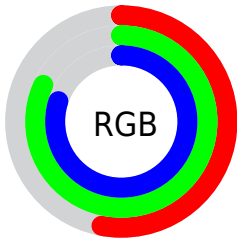
Format	Color
R _Y B	136, 174, 209
Decimal	8966605
CIE Lab	79.18, -23.56, -5.23
CIE LCh	79, 24.136, 192.515
Yxy	55.2429, 0.2660, 0.3342
Android (android.graphics.Color)	4287156685 (0xFF88D1CD)
YUV	186.7170, 9.0135, -44.4788
Hunter-Lab	74.3256, -24.4727, -0.6898

Details

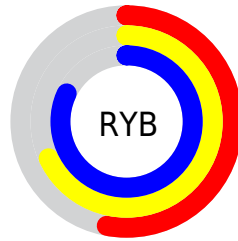
The Yxy color **55.2429, 0.2660, 0.3342** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.0571, 0.3906, 0.3241**, and the grayscale version is **49.4918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **27.1394, 0.2540, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **53.6070, 0.2554, 0.3359**, and if you desaturate by 10%, it is **57.2248, 0.2780, 0.3326**.

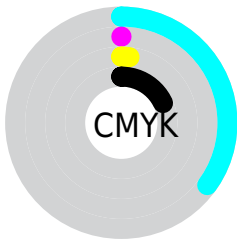
Distribution



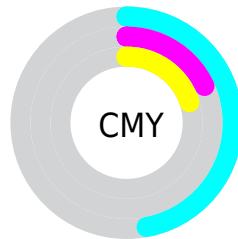
- Red (53%)
- Green (82%)
- Blue (80%)



- Red (53%)
- Yellow (68%)
- Blue (82%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)





- Cyan (47%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2429, 0.2660, 0.3342 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 55.2429, 0.2660, 0.3342 by changing the saturation by 10% instead.

 55.2429, 0.2660,
0.3342

 55.2429, 0.2660,
0.3342


406.8320, 0.2884,
0.3320

 39.5962, 0.2607,
0.3346

 97.8968, 0.2739,
0.3335

 27.2239, 0.2540,
0.3351


 125.6727, 0.2770,
0.3332

 17.7414, 0.2453,
0.3357


 158.2606, 0.2796,
0.3329

 10.7645, 0.2337,
0.3363

196.0447, 0.2818,
0.3327

 5.9087, 0.2174,
0.3368

239.4095, 0.2838,
0.3325

 2.7896, 0.1929,
0.3369

288.7394, 0.2855,

 1.0229, 0.1311,

0.3323

0.3432

344.4188, 0.2871,
0.3322

0.0000, 0.0000,
0.0000

55.2429, 0.2660,
0.3342

55.2429, 0.2660,
0.3342

53.6070, 0.2554,
0.3359

57.2248, 0.2780,
0.3326

52.2906, 0.2466,
0.3377

59.5645, 0.2913,
0.3311

51.2739, 0.2395,
0.3395

62.2810, 0.3055,
0.3296

50.5322, 0.2345,
0.3414

65.3905, 0.3203,
0.3284

50.0368, 0.2313,
0.3432

68.9077, 0.3354,
0.3272

■ 49.7527, 0.2298,
0.3450

■ 71.6133, 0.3457,
0.3262

■ 49.6574, 0.2294,
0.3459

■ 71.6718, 0.3449,
0.3250

■ 71.7306, 0.3440,
0.3238

■ 71.7899, 0.3431,
0.3226

Harmonies

Analogous

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



55.2429, 0.2906, 0.3636



55.2429, 0.2660, 0.3342



55.2429, 0.2538, 0.3050

Triad

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



55.2429, 0.2660, 0.3342



55.2429, 0.3009, 0.2816



55.2429, 0.3719, 0.3712

Complementary

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



55.2429, 0.2660, 0.3342



33.0571, 0.3906, 0.3241

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.



55.2429, 0.3755, 0.3478



55.2429, 0.2660, 0.3342



55.2429, 0.3333, 0.2977

Square

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



55.2429, 0.2660, 0.3342



55.2429, 0.2731, 0.2766



55.2429, 0.3611, 0.3214



55.2429, 0.3520, 0.3848

Rectangle

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



55.2429, 0.2660, 0.3342



55.2429, 0.2538, 0.2900



55.2429, 0.3611, 0.3214



55.2429, 0.3751, 0.3642

Sweetspot

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



55.2451, 0.2660, 0.3342



95.3900, 0.2980, 0.3304



53.0328, 0.3113, 0.4320



20.2894, 0.2960, 0.3306



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.



55.2451, 0.2660, 0.3342



84.6514, 0.2579, 0.3355



41.4275, 0.2579, 0.2852



13.3953, 0.2990, 0.3303



30.6195, 0.2294, 0.3457



1.7156, 0.2284, 0.3423

Inverse Universe

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



33.0571, 0.3906, 0.3241



44.7354, 0.4162, 0.3231



43.2038, 0.3813, 0.3688



11.8187, 0.3282, 0.3278



8.3782, 0.6336, 0.3264



0.4723, 0.6132, 0.3151

Previews

White Background



This preview shows how the Yxy color 55.2429, 0.2660, 0.3342 looks on a white background.

Color Contrast Check

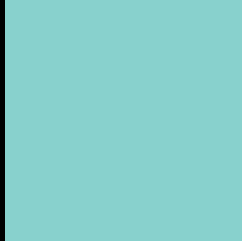
Large Text (above 18pt) WCAG AA × Fail

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 55.2429, 0.2660, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

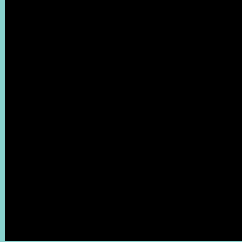
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

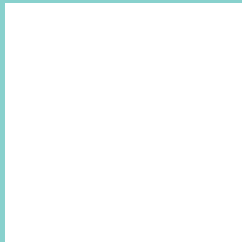
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2429, 0.2660, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 55.2429, 0.2660, 0.3342.

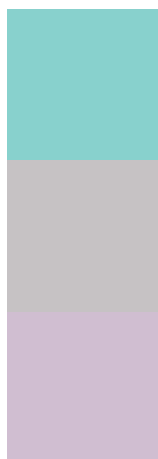


This preview shows how white text looks on a background with the Yxy color 55.2429, 0.2660, 0.3342.

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

55.2429, 0.2660, 0.3342

Protanopia

54.5749, 0.3144, 0.3266

Deuteranopia

54.8403, 0.3129, 0.3068



Tritanopia

55.0458, 0.2578, 0.3071

Trichromacy



Original Color

55.2429, 0.2660, 0.3342

Protanomaly

54.0843, 0.2944, 0.3289

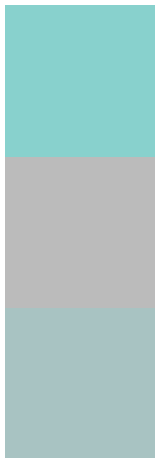
Deuteranomaly

54.4317, 0.2934, 0.3154

Tritanomaly

55.0725, 0.2612, 0.3172

Monochromacy



Original Color

55.2429, 0.2660, 0.3342

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.2501, 0.2926, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2429, 0.2660, 0.3342 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(136, 209, 205)` looks like.

```
.text, #text, p{  
    color:rgb(136, 209, 205)  
}
```

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(136, 209, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 209, 205) }
```

Border

The CSS property to change the border of an element to Yxy 55.2429, 0.2660, 0.3342 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(136, 209, 205) }
```

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

```
.border{ border-color:rgb(136, 209, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 209, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 209, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 209, 205);  
box-shadow:4px 4px 4px 4px rgb(136, 209,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2429, 0.2660, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 209, 205) }
```

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

```
.background{ background-color: rgb(136,  
209, 205) }
```

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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