

Converting Colors

$Yxy(55.9029, 0.2849, 0.3346)$

Have a look what the booklet for
Yxy(55.9029, 0.2849, 0.3346)
contains.

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Color

Yxy(55.6662, 0.2849, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	A3CDC9
RGB	163, 205, 201
RGB Percent	64%, 80%, 79%
CMY	0.3607, 0.1961, 0.2117
CMYK	0.20, 0.00, 0.02, 0.20
HSL	174°, 30%, 72%
HSV	174°, 20%, 80%
XYZ	47.4829, 55.6662, 63.5161
YIQ	191.9860, -23.7480, -10.1480

Conversions

Conversions Part 2

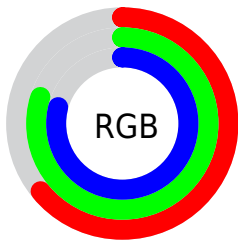
Format	Color
RYB	163, 185, 205
Decimal	10735049
CIELab	79.42, -14.57, -2.59
CIElCh	79, 14.799, 190.070
Yxy	55.6662, 0.2849, 0.3340
Android (android.graphics.Color)	4288925129 (0xFFA3CDC9)
YUV	191.9860, 4.4439, -25.4207
Hunter-Lab	74.6098, -16.9667, 1.7526

Details

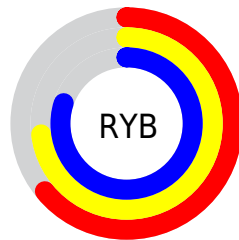
The Yxy color **55.6662, 0.2849, 0.3340** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.9691, 0.3495, 0.3241**, and the grayscale version is **52.6914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **27.5548, 0.2775, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **53.5861, 0.2727, 0.3368**, and if you desaturate by 10%, it is **58.1028, 0.2981, 0.3314**.

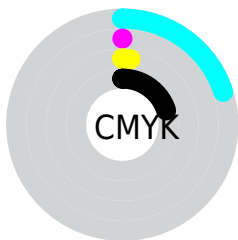
Distribution



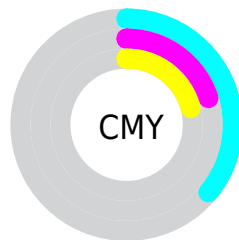
- Red (64%)
- Green (80%)
- Blue (79%)



- Red (64%)
- Yellow (73%)
- Blue (80%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)




- Cyan (36%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6662, 0.2849, 0.3340 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 55.6662, 0.2849, 0.3340 by changing the saturation by 10% instead.


 55.6662, 0.2849,
0.3340


 55.6662, 0.2849,
0.3340


408.4323, 0.2983,
0.3317

 39.9354, 0.2817,
0.3345

 98.5164, 0.2897,
0.3332

 27.4881, 0.2776,
0.3352

 126.4045, 0.2915,
0.3329

 17.9402, 0.2724,
0.3360


159.1138, 0.2931,
0.3326

 10.9070, 0.2653,
0.3371

197.0287, 0.2944,
0.3324

 6.0044, 0.2551,
0.3385

240.5336, 0.2956,
0.3322

 2.8477, 0.2396,
0.3405

290.0129, 0.2966,

 1.0528, 0.2085,

0.3320

0.3452

345.8510, 0.2975,
0.3318

0.0000, 0.0000,
0.0000

55.6662, 0.2849,
0.3340

55.6662, 0.2849,
0.3340

53.5861, 0.2727,
0.3368

58.1028, 0.2981,
0.3314

51.8387, 0.2618,
0.3397

60.9048, 0.3120,
0.3291

50.4081, 0.2525,
0.3428

64.0892, 0.3264,
0.3270

49.2743, 0.2449,
0.3459

67.6700, 0.3410,
0.3251

48.4149, 0.2392,
0.3492

69.6111, 0.3473,
0.3233

■ 47.8044, 0.2354,
0.3524

■ 69.7087, 0.3458,
0.3213

■ 47.4128, 0.2335,
0.3556

■ 69.8076, 0.3444,
0.3193

■ 47.1902, 0.2330,
0.3587

■ 69.9077, 0.3429,
0.3173

■ 70.0089, 0.3414,
0.3154

Harmonies

Analogous

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



55.6662, 0.3009, 0.3510



55.6662, 0.2849, 0.3340



55.6662, 0.2763, 0.3161

Triad

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



55.6662, 0.2849, 0.3340



55.6662, 0.3041, 0.2987



55.6662, 0.3495, 0.3545

Complementary

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



55.6662, 0.2849, 0.3340



41.9691, 0.3495, 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.



55.6662, 0.3505, 0.3400



55.6662, 0.2849, 0.3340



55.6662, 0.3239, 0.3084

Square

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



55.6662, 0.2849, 0.3340



55.6662, 0.2871, 0.2965



55.6662, 0.3411, 0.3233



55.6662, 0.3383, 0.3627

Rectangle

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



55.6662, 0.2849, 0.3340



55.6662, 0.2758, 0.3064



55.6662, 0.3411, 0.3233



55.6662, 0.3510, 0.3501

Sweetspot

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



55.6685, 0.2849, 0.3340



97.1199, 0.3042, 0.3304



54.5458, 0.3133, 0.3846



20.7235, 0.3032, 0.3305



0.0000, 0.0000, 0.0000



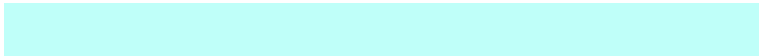
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.6685, 0.2849, 0.3340



89.4665, 0.2789, 0.3353



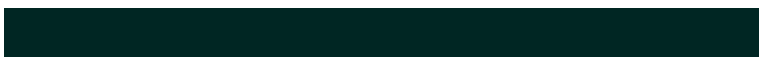
48.2506, 0.2810, 0.3070



12.7080, 0.2996, 0.3312



29.3859, 0.2328, 0.3582



1.5214, 0.2311, 0.3519

Inverse Universe

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



41.9691, 0.3495, 0.3241



62.6748, 0.3608, 0.3229



48.1896, 0.3491, 0.3500



11.2306, 0.3275, 0.3268



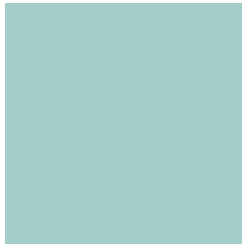
8.1165, 0.6282, 0.3234



0.4248, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 55.6662, 0.2849, 0.3340 looks on a white background.

Color Contrast Check

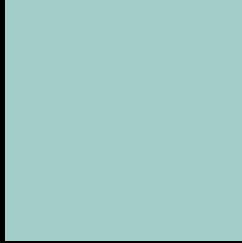
Large Text (above 18pt) WCAG AA × Fail

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 55.6662, 0.2849, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

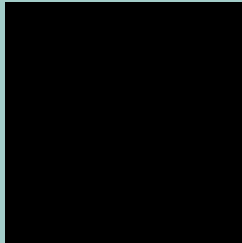
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

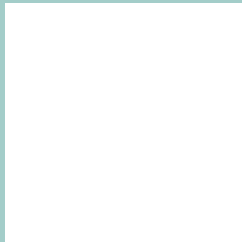
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.6662, 0.2849, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 55.6662, 0.2849, 0.3340.

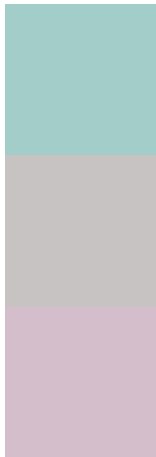


This preview shows how white text looks on a background with the Yxy color 55.6662, 0.2849, 0.3340.

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

55.6662, 0.2849, 0.3340

Protanopia

55.2497, 0.3167, 0.3290

Deuteranopia

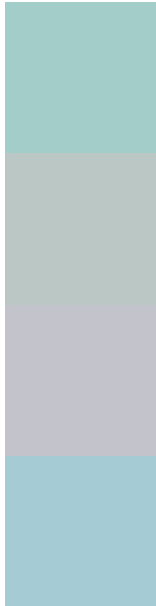
55.1836, 0.3200, 0.3127



Tritanopia

55.4100, 0.2760, 0.3090

Trichromacy



Original Color

55.6662, 0.2849, 0.3340

Protanomaly

55.4429, 0.3049, 0.3314

Deuteranomaly

54.8113, 0.3061, 0.3193

Tritanomaly

55.4647, 0.2792, 0.3176

Monochromacy



Original Color

55.6662, 0.2849, 0.3340

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.6964, 0.3017, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6662, 0.2849, 0.3340 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(163, 205, 201)` looks like.

```
.text, #text, p{  
    color:rgb(163, 205, 201)  
}
```

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(163, 205, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 205, 201) }
```

Border

The CSS property to change the border of an element to Yxy 55.6662, 0.2849, 0.3340 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(163, 205, 201) }
```

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

```
.border{ border-color:rgb(163, 205, 201) }
```

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

Here you see how a box with a 4 pixel rgb(163, 205, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 205, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 205, 201);  
box-shadow:4px 4px 4px 4px rgb(163, 205,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6662, 0.2849, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 205, 201) }
```

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

```
.background{ background-color: rgb(163,  
205, 201) }
```

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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