

Converting Colors

$Y_{xy}(55.7196, 0.2857, 0.3343)$

Have a look what the booklet for
Yxy(55.7196, 0.2857, 0.3343)
contains.

Yxy(55.7722, 0.2856, 0.3340)	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(55.7722, 0.2856, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	A4CDC9
RGB	164, 205, 201
RGB Percent	64%, 80%, 79%
CMY	0.3567, 0.1961, 0.2117
CMYK	0.20, 0.00, 0.02, 0.20
HSL	174°, 29%, 72%
HSV	174°, 20%, 80%
XYZ	47.6902, 55.7722, 63.5202
YIQ	192.2850, -23.1520, -9.9360

Conversions

Conversions Part 2

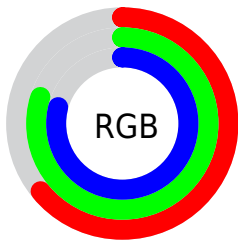
Format	Color
RYB	164, 186, 205
Decimal	10800585
CIELab	79.48, -14.26, -2.49
CIELCh	79, 14.470, 189.896
Yxy	55.7722, 0.2856, 0.3340
Android (android.graphics.Color)	4288990665 (0xFFA4CDC9)
YUV	192.2850, 4.2965, -24.8059
Hunter-Lab	74.6808, -16.7035, 1.8471

Details

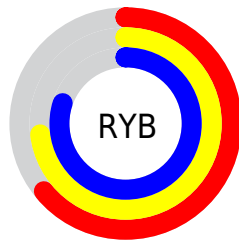
The Yxy color **55.7722, 0.2856, 0.3340** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.3692, 0.3483, 0.3241**, and the grayscale version is **52.8772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **27.6193, 0.2783, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **53.6727, 0.2734, 0.3368**, and if you desaturate by 10%, it is **58.2290, 0.2988, 0.3314**.

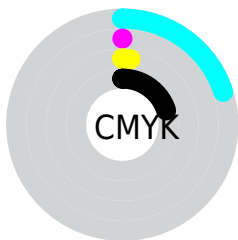
Distribution



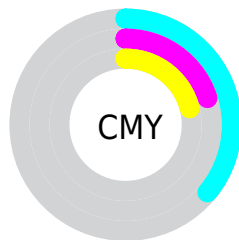
- Red (64%)
- Green (80%)
- Blue (79%)



- 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 55.7722, 0.2856, 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 55.7722, 0.2856, 0.3340 by changing the saturation by 10% instead.


 55.7722, 0.2856,
0.3340

 55.7722, 0.2856,
0.3340


408.8324, 0.2987,
0.3317

 40.0203, 0.2825,
0.3345


 98.6714, 0.2903,
0.3332

 27.5544, 0.2785,
0.3352


 126.5876, 0.2920,
0.3329

 17.9900, 0.2734,
0.3360


159.3272, 0.2935,
0.3326

 10.9428, 0.2665,
0.3371

197.2748, 0.2949,
0.3324

 6.0284, 0.2566,
0.3386

240.8148, 0.2960,
0.3322

 2.8624, 0.2414,
0.3406

290.3314, 0.2970,

 1.0603, 0.2116,

0.3320

0.3451

346.2092, 0.2979,
0.3318

0.0000, 0.0000,
0.0000

55.7722, 0.2856,
0.3340

55.7722, 0.2856,
0.3340

53.6727, 0.2734,
0.3368

58.2290, 0.2988,
0.3314

51.9069, 0.2624,
0.3398

61.0520, 0.3127,
0.3290

50.4589, 0.2530,
0.3430

64.2582, 0.3271,
0.3268

49.3087, 0.2454,
0.3462

67.8616, 0.3416,
0.3249

48.4341, 0.2396,
0.3496

69.6221, 0.3471,
0.3230

■ 47.8100, 0.2357,
0.3529

■ 69.7226, 0.3456,
0.3210

■ 47.4064, 0.2337,
0.3562

■ 69.8243, 0.3441,
0.3190

■ 47.1675, 0.2332,
0.3595

■ 69.9272, 0.3426,
0.3169

■ 47.1671, 0.2332,
0.3595

■ 70.0314, 0.3411,
0.3149

Harmonies

Analogous

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



55.7722, 0.3013, 0.3506



55.7722, 0.2856, 0.3340



55.7722, 0.2772, 0.3165

Triad

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



55.7722, 0.2856, 0.3340



55.7722, 0.3042, 0.2994



55.7722, 0.3486, 0.3538

Complementary

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



55.7722, 0.2856, 0.3340



42.3692, 0.3483, 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.



55.7722, 0.3496, 0.3396



55.7722, 0.2856, 0.3340



55.7722, 0.3236, 0.3088

Square

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



55.7722, 0.2856, 0.3340



55.7722, 0.2876, 0.2972



55.7722, 0.3404, 0.3233



55.7722, 0.3378, 0.3619

Rectangle

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



55.7722, 0.2856, 0.3340



55.7722, 0.2766, 0.3070



55.7722, 0.3404, 0.3233



55.7722, 0.3502, 0.3496

Sweetspot

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



55.7745, 0.2856, 0.3340



97.1175, 0.3042, 0.3304



54.6812, 0.3133, 0.3831



20.7229, 0.3033, 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.



55.7745, 0.2856, 0.3340



89.8060, 0.2802, 0.3352



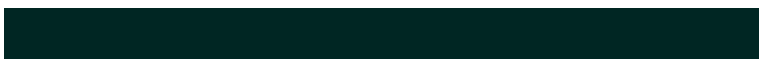
48.5317, 0.2818, 0.3076



12.7075, 0.2996, 0.3312



29.3726, 0.2331, 0.3590



1.5209, 0.2313, 0.3526

Inverse Universe

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



42.3692, 0.3483, 0.3241



63.9127, 0.3582, 0.3230



48.4718, 0.3481, 0.3495



11.2311, 0.3275, 0.3268



8.1177, 0.6278, 0.3232



0.4250, 0.5926, 0.3038

Previews

White Background



This preview shows how the Yxy color 55.7722, 0.2856, 0.3340 looks on a white background.

Color Contrast Check

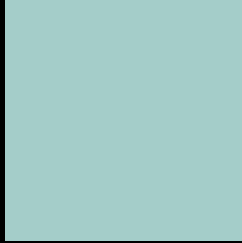
Large Text (above 18pt) WCAG AA × Fail

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 55.7722, 0.2856, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

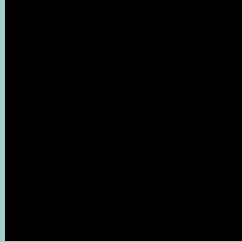
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

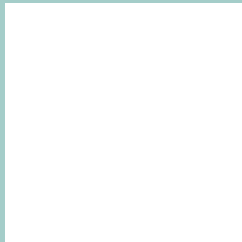
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7722, 0.2856, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 55.7722, 0.2856, 0.3340.



This preview shows how white text looks on a background with the Yxy color 55.7722, 0.2856, 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

55.7722, 0.2856, 0.3340

Protanopia

55.2951, 0.3160, 0.3278

Deuteranopia

55.1836, 0.3200, 0.3127



Tritanopia

55.5185, 0.2767, 0.3090

Trichromacy



Original Color

55.7722, 0.2856, 0.3340

Protanomaly

55.4889, 0.3042, 0.3302

Deuteranomaly

54.9441, 0.3069, 0.3193

Tritanomaly

55.5723, 0.2798, 0.3176

Monochromacy



Original Color

55.7722, 0.2856, 0.3340

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.8177, 0.3025, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7722, 0.2856, 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(164, 205, 201)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 205, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 205, 201) }
```

Border

The CSS property to change the border of an element to Yxy 55.7722, 0.2856, 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(164, 205, 201) }
```

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

```
.border{ border-color:rgb(164, 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(164, 205, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 205, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 205, 201);  
box-shadow:4px 4px 4px 4px rgb(164, 205,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7722, 0.2856, 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(164, 205, 201) }
```

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

```
.background{ background-color: rgb(164,  
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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