

Converting Colors

$Yxy(55.7463, 0.2805, 0.3867)$

Have a look what the booklet for
Yxy(55.7463, 0.2805, 0.3867)
contains.

Yxy(55.6995, 0.2805, 0.3859)	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(55.6995, 0.2805, 0.3859)

Conversions

Conversions Part 1

Format	Color
Hex	80D6AD
RGB	128, 214, 173
RGB Percent	50%, 84%, 68%
CMY	0.4982, 0.1607, 0.3216
CMYK	0.40, 0.00, 0.19, 0.16
HSL	151°, 51%, 67%
HSV	151°, 40%, 84%
XYZ	40.4864, 55.6995, 48.1507
YIQ	183.6120, -38.0950, -30.9830

Conversions

Conversions Part 2

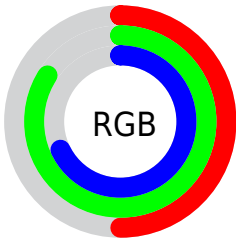
Format	Color
RYB	128, 184, 214
Decimal	8443565
CIELab	79.44, -35.18, 12.18
CIELCh	79, 37.232, 160.902
Yxy	55.6995, 0.2805, 0.3859
Android (android.graphics.Color)	4286633645 (0xFF80D6AD)
YUV	183.6120, -5.2317, -48.7717
Hunter-Lab	74.6321, -33.7735, 13.9901

Details

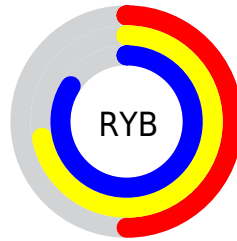
The Yxy color **55.6995, 0.2805, 0.3859** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.5889, 0.3649, 0.2791**, and the grayscale version is **47.7487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3118, 0.2856, 0.3587**, and **27.5932, 0.2710, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **53.8343, 0.2745, 0.4032**, and if you desaturate by 10%, it is **57.9493, 0.2876, 0.3697**.

Distribution



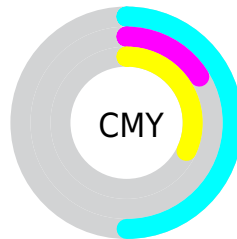
- Red (50%)
- Green (84%)
- Blue (68%)



- Red (50%)
- Yellow (72%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (16%)




- Cyan (50%)
- Magenta (16%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6995, 0.2805, 0.3859 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 55.6995, 0.2805, 0.3859 by changing the saturation by 10% instead.


 55.6995, 0.2805,
0.3859

 55.6995, 0.2805,
0.3859


408.5581, 0.2966,
0.3572


 39.9620, 0.2765,
0.3931


 98.5651, 0.2864,
0.3754

 27.5090, 0.2713,
0.4024


 126.4620, 0.2886,
0.3715

 17.9558, 0.2644,
0.4149


 159.1808, 0.2904,
0.3682

 10.9183, 0.2549,
0.4324

197.1060, 0.2920,
0.3654

 6.0119, 0.2407,
0.4586

240.6220, 0.2934,
0.3629

 2.8523, 0.2175,
0.5019

290.1130, 0.2946,

 1.0551, 0.0912,

0.3608

0.7147

345.9636, 0.2957,
0.3589

0.0000, 0.0000,
0.0000

55.6995, 0.2805,
0.3859

55.6995, 0.2805,
0.3859

53.8343, 0.2745,
0.4032

57.9493, 0.2876,
0.3697

52.3240, 0.2701,
0.4215

60.5979, 0.2955,
0.3548

51.1455, 0.2673,
0.4402


63.6667, 0.3039,
0.3413


50.2698, 0.2666,
0.4589


67.1739, 0.3125,
0.3292

49.6627, 0.2678,
0.4772

71.1365, 0.3212,
0.3185

 49.2688, 0.2707,
0.4943

 75.3105, 0.3289,
0.3089

 75.9145, 0.3218,
0.2991

 76.5527, 0.3149,
0.2894

 76.5787, 0.3146,
0.2891

Harmonies

Analogous

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



55.6995, 0.3281, 0.4147



55.6995, 0.2805, 0.3859



55.6995, 0.2434, 0.3386

Triad

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



55.6995, 0.2805, 0.3859



55.6995, 0.2508, 0.2508



55.6995, 0.4093, 0.3531

Complementary

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



55.6995, 0.2805, 0.3859



32.5889, 0.3649, 0.2791

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.



55.6995, 0.3856, 0.3143



55.6995, 0.2805, 0.3859



55.6995, 0.2913, 0.2579

Square

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



55.6995, 0.2805, 0.3859



55.6995, 0.2276, 0.2621



55.6995, 0.3411, 0.2805



55.6995, 0.4042, 0.3896

Rectangle

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



55.6995, 0.2805, 0.3859



55.6995, 0.2288, 0.3067



55.6995, 0.3411, 0.2805



55.6995, 0.4044, 0.3400

Sweetspot

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



55.7018, 0.2805, 0.3859



93.7473, 0.3022, 0.3438



58.1522, 0.3369, 0.4410



19.9325, 0.3011, 0.3455



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.



55.7018, 0.2805, 0.3859



80.4899, 0.2755, 0.4002



56.8175, 0.2574, 0.3270



14.0035, 0.3046, 0.3403



29.7976, 0.2700, 0.4918



1.8139, 0.2615, 0.4613

Inverse Universe

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



32.5889, 0.3649, 0.2791



41.6845, 0.3808, 0.2692



31.6595, 0.4134, 0.3311



12.5184, 0.3217, 0.3179



9.2416, 0.5046, 0.2553



0.5741, 0.4645, 0.2333

Previews

White Background



This preview shows how the Yxy color 55.6995, 0.2805, 0.3859 looks on a white background.

Color Contrast Check

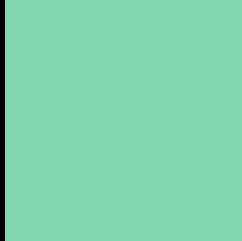
Large Text (above 18pt) WCAG AA × Fail

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 55.6995, 0.2805, 0.3859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

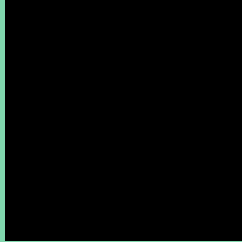
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

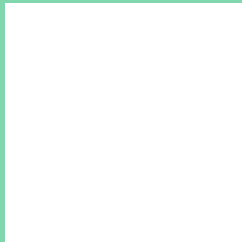
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.6995, 0.2805, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 55.6995, 0.2805, 0.3859.

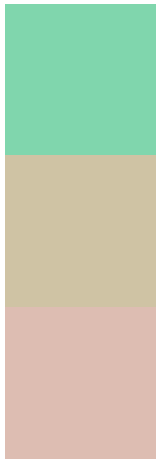


This preview shows how white text looks on a background with the Yxy color 55.6995, 0.2805, 0.3859.

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

55.6995, 0.2805, 0.3859

Protanopia

54.9759, 0.3465, 0.3667

Deuteranopia

54.9817, 0.3486, 0.3419



Tritanopia

55.5829, 0.2574, 0.3072

Trichromacy



Original Color

55.6995, 0.2805, 0.3859



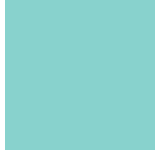
Protanomaly

54.4961, 0.3191, 0.3743



Deuteranomaly

54.0876, 0.3201, 0.3569



Tritanomaly

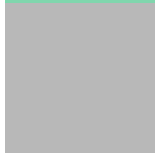
55.7352, 0.2662, 0.3355

Monochromacy



Original Color

55.6995, 0.2805, 0.3859



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.2180, 0.2993, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6995, 0.2805, 0.3859 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(128, 214, 173)` looks like.

```
.text, #text, p{  
    color:rgb(128, 214, 173)  
}
```

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(128, 214, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 173) }
```

Border

The CSS property to change the border of an element to Yxy 55.6995, 0.2805, 0.3859 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(128, 214, 173) }
```

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

```
.border{ border-color:rgb(128, 214, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 214, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 214, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 214, 173);  
box-shadow:4px 4px 4px 4px rgb(128, 214,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6995, 0.2805, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 214, 173) }
```

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

```
.background{ background-color: rgb(128,  
214, 173) }
```

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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