

Converting Colors

$Yxy(55.3389, 0.2838, 0.3912)$

Have a look what the booklet for
Yxy(55.3389, 0.2838, 0.3912)
contains.

Yxy(55.1202, 0.2834, 0.3904)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.1202, 0.2834, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	81D5A9
RGB	129, 213, 169
RGB Percent	51%, 84%, 66%
CMY	0.4939, 0.1647, 0.3373
CMYK	0.39, 0.00, 0.21, 0.16
HSL	149°, 50%, 67%
HSV	149°, 39%, 84%
XYZ	40.0130, 55.1202, 46.0559
YIQ	182.8680, -35.9400, -31.4920

Conversions

Conversions Part 2

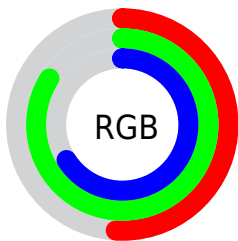
Format	Color
RYB	129, 186, 213
Decimal	8508841
CIELab	79.11, -35.22, 13.85
CIELCh	79, 37.850, 158.532
Yxy	55.1202, 0.2834, 0.3904
Android (android.graphics.Color)	4286698921 (0xFF81D5A9)
YUV	182.8680, -6.8369, -47.2422
Hunter-Lab	74.2430, -33.7233, 15.1901

Details

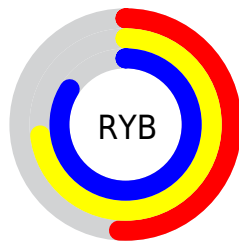
The Yxy color **55.1202, 0.2834, 0.3904** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.8799, 0.3589, 0.2754**, and the grayscale version is **47.3371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2161, 0.2883, 0.3632**, and **27.2339, 0.2750, 0.4083** is the 20% darker color. If you saturate the color by 10%, you get **53.2222, 0.2778, 0.4095**, and if you desaturate by 10%, it is **57.4062, 0.2900, 0.3726**.

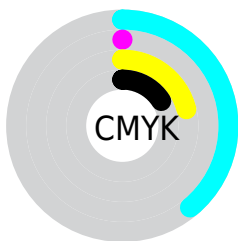
Distribution



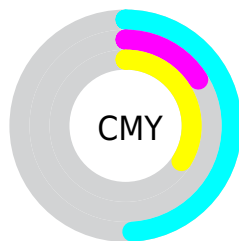
- Red (51%)
- Green (84%)
- Blue (66%)



- Red (51%)
- Yellow (73%)
- Blue (84%)



- Cyan (39%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)





- Cyan (49%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1202, 0.2834, 0.3904 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 55.1202, 0.2834, 0.3904 by changing the saturation by 10% instead.


 55.1202, 0.2834,
0.3904

 55.1202, 0.2834,
0.3904


406.3674, 0.2982,
0.3593


 39.4980, 0.2796,
0.3983


 97.7170, 0.2888,
0.3790

 27.1473, 0.2748,
0.4085


 125.4604, 0.2909,
0.3748

 17.6839, 0.2683,
0.4221


 158.0130, 0.2926,
0.3712

 10.7233, 0.2592,
0.4413

195.7592, 0.2940,
0.3681

 5.8811, 0.2454,
0.4703

239.0833, 0.2953,
0.3655

 2.7729, 0.2226,
0.5185

288.3698, 0.2964,

 1.0144, 0.0795,

0.3631

0.8162

344.0030, 0.2974,
0.3611

0.0000, 0.0000,
0.0000

55.1202, 0.2834,
0.3904

55.1202, 0.2834,
0.3904

53.2222, 0.2778,
0.4095

57.4062, 0.2900,
0.3726

51.6828, 0.2736,
0.4296

60.0943, 0.2974,
0.3562

50.4791, 0.2711,
0.4503


63.2058, 0.3052,
0.3415


49.5826, 0.2705,
0.4708


66.7588, 0.3132,
0.3283

48.9597, 0.2719,
0.4907

70.7702, 0.3212,
0.3166

 48.5542, 0.2749,
0.5094

 74.9031, 0.3277,
0.3062

 48.5331, 0.2751,
0.5105

 75.5728, 0.3199,
0.2954

 76.0674, 0.3146,
0.2881

Harmonies

Analogous

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



55.1202, 0.3323, 0.4176



55.1202, 0.2834, 0.3904



55.1202, 0.2444, 0.3427

Triad

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



55.1202, 0.2834, 0.3904



55.1202, 0.2470, 0.2495



55.1202, 0.4104, 0.3503

Complementary

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



55.1202, 0.2834, 0.3904



32.8799, 0.3589, 0.2754

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.



55.1202, 0.3841, 0.3109



55.1202, 0.2834, 0.3904



55.1202, 0.2871, 0.2554

Square

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



55.1202, 0.2834, 0.3904



55.1202, 0.2251, 0.2625



55.1202, 0.3375, 0.2773



55.1202, 0.4075, 0.3880

Rectangle

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



55.1202, 0.2834, 0.3904



55.1202, 0.2285, 0.3098



55.1202, 0.3375, 0.2773



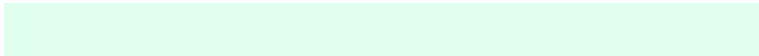
55.1202, 0.4047, 0.3369

Sweetspot

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



55.1225, 0.2834, 0.3904



93.6606, 0.3031, 0.3453



58.1522, 0.3398, 0.4374



19.9122, 0.3020, 0.3472



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.



55.1225, 0.2834, 0.3904



80.4960, 0.2788, 0.4058



56.9217, 0.2600, 0.3325



13.9934, 0.3052, 0.3415



29.6672, 0.2744, 0.5079



1.8061, 0.2653, 0.4751

Inverse Universe

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



32.8799, 0.3589, 0.2754



42.7068, 0.3727, 0.2647



31.5219, 0.4077, 0.3258



12.5285, 0.3210, 0.3168



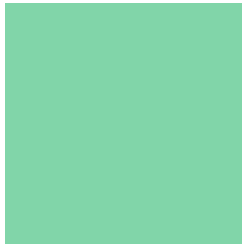
9.3723, 0.4845, 0.2442



0.5820, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 55.1202, 0.2834, 0.3904 looks on a white background.

Color Contrast Check

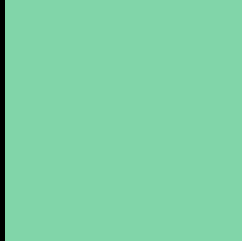
Large Text (above 18pt) WCAG AA × Fail

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 55.1202, 0.2834, 0.3904 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 55.1202, 0.2834, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 55.1202, 0.2834, 0.3904.

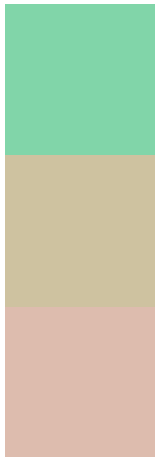


This preview shows how white text looks on a background with the Yxy color 55.1202, 0.2834, 0.3904.

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

55.1202, 0.2834, 0.3904

Protanopia

54.2434, 0.3491, 0.3706

Deuteranopia

54.3946, 0.3521, 0.3455



Tritanopia

55.0793, 0.2589, 0.3084

Trichromacy



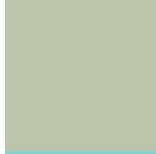
Original Color

55.1202, 0.2834, 0.3904



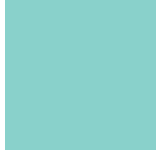
Protanomaly

53.8826, 0.3221, 0.3785



Deuteranomaly

53.6024, 0.3241, 0.3607



Tritanomaly

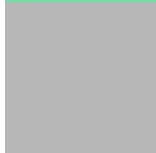
55.2311, 0.2677, 0.3368

Monochromacy



Original Color

55.1202, 0.2834, 0.3904



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.5845, 0.2999, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1202, 0.2834, 0.3904 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(129, 213, 169)` looks like.

```
.text, #text, p{  
    color:rgb(129, 213, 169)  
}
```

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(129, 213, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 213, 169) }
```

Border

The CSS property to change the border of an element to Yxy 55.1202, 0.2834, 0.3904 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(129, 213, 169) }
```

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

```
.border{ border-color:rgb(129, 213, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 213, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 213, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 213, 169);  
box-shadow:4px 4px 4px 4px rgb(129, 213,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1202, 0.2834, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 213, 169) }
```

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

```
.background{ background-color: rgb(129,  
213, 169) }
```

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