

Converting Colors

$Yxy(55.6189, 0.2825, 0.3917)$

Have a look what the booklet for
Yxy(55.6189, 0.2825, 0.3917)
contains.

Yxy(55.5469, 0.2829, 0.3917)	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(55.5469, 0.2829, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	80D6A9
RGB	128, 214, 169
RGB Percent	50%, 84%, 66%
CMY	0.4978, 0.1608, 0.3372
CMYK	0.40, 0.00, 0.21, 0.16
HSL	149°, 51%, 67%
HSV	149°, 40%, 84%
XYZ	40.1180, 55.5469, 46.1449
YIQ	183.1560, -36.8110, -32.2270

Conversions

Conversions Part 2

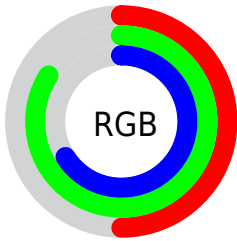
Format	Color
RYB	128, 186, 214
Decimal	8443561
CIELab	79.36, -35.95, 14.18
CIELCh	79, 38.646, 158.478
Yxy	55.5469, 0.2829, 0.3917
Android (android.graphics.Color)	4286633641 (0xFF80D6A9)
YUV	183.1560, -6.9789, -48.3718
Hunter-Lab	74.5298, -34.3439, 15.4616

Details

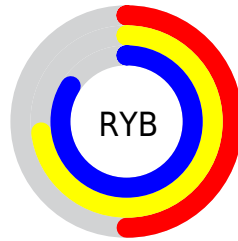
The Yxy color **55.5469, 0.2829, 0.3917** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.7713, 0.3602, 0.2745**, and the grayscale version is **47.5078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0922, 0.2877, 0.3632**, and **27.4971, 0.2739, 0.4103** is the 20% darker color. If you saturate the color by 10%, you get **53.6570, 0.2774, 0.4109**, and if you desaturate by 10%, it is **57.8274, 0.2895, 0.3738**.

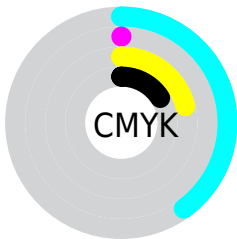
Distribution



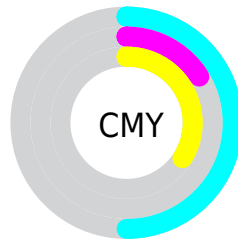
- Red (50%)
- Green (84%)
- Blue (66%)



- Red (50%)
- Yellow (73%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)





- Cyan (50%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5469, 0.2829, 0.3917 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 55.5469, 0.2829, 0.3917 by changing the saturation by 10% instead.


 55.5469, 0.2829,
0.3917


 55.5469, 0.2829,
0.3917

407.9817, 0.2980,
0.3600

 39.8398, 0.2791,
0.3997


 98.3418, 0.2884,
0.3801

 27.4136, 0.2742,
0.4101

 126.1983, 0.2905,
0.3757

 17.8841, 0.2676,
0.4240


 158.8734, 0.2922,
0.3721

 10.8668, 0.2583,
0.4436

196.7516, 0.2937,
0.3690

 5.9773, 0.2444,
0.4730

240.2170, 0.2950,
0.3662

 2.8313, 0.2213,
0.5219

289.6543, 0.2961,

 1.0443, 0.0829,

0.3639

0.8111

345.4477, 0.2971,
0.3618

■ 0.0000, 0.0000,
0.0000

■ 55.5469, 0.2829,
0.3917

■ 55.5469, 0.2829,
0.3917

■ 53.6570, 0.2774,
0.4109

■ 57.8274, 0.2895,
0.3738

■ 52.1277, 0.2733,
0.4310

■ 60.5128, 0.2968,
0.3574

■ 50.9358, 0.2709,
0.4517


■ 63.6249, 0.3046,
0.3425

■ 50.0520, 0.2705,
0.4722

■ 67.1820, 0.3126,
0.3292

■ 49.4418, 0.2720,
0.4920

■ 71.2011, 0.3206,
0.3174

 49.0480, 0.2751,
0.5103

 75.4194, 0.3274,
0.3069

 76.0921, 0.3197,
0.2961

 76.5697, 0.3146,
0.2891

Harmonies

Analogous

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



55.5469, 0.3326, 0.4193



55.5469, 0.2829, 0.3917



55.5469, 0.2433, 0.3430

Triad

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



55.5469, 0.2829, 0.3917



55.5469, 0.2458, 0.2482



55.5469, 0.4122, 0.3504

Complementary

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



55.5469, 0.2829, 0.3917



32.7713, 0.3602, 0.2745

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.



55.5469, 0.3854, 0.3105



55.5469, 0.2829, 0.3917



55.5469, 0.2865, 0.2542

Square

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



55.5469, 0.2829, 0.3917



55.5469, 0.2236, 0.2614



55.5469, 0.3379, 0.2764



55.5469, 0.4092, 0.3889

Rectangle

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



55.5469, 0.2829, 0.3917



55.5469, 0.2271, 0.3095



55.5469, 0.3379, 0.2764



55.5469, 0.4063, 0.3369

Sweetspot

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



55.5492, 0.2829, 0.3917



93.6620, 0.3030, 0.3453



58.6368, 0.3402, 0.4396



19.9125, 0.3020, 0.3472



0.0000, 0.0000, 0.0000



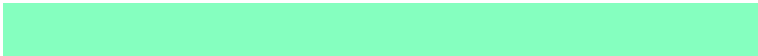
21.4041, 0.3127, 0.3290

Same Dimension

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



55.5492, 0.2829, 0.3917



80.2318, 0.2782, 0.4076



57.3940, 0.2592, 0.3326



13.9935, 0.3052, 0.3415



29.6692, 0.2743, 0.5076



1.8062, 0.2653, 0.4749

Inverse Universe

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



32.7713, 0.3602, 0.2745



41.9426, 0.3746, 0.2635



31.3888, 0.4104, 0.3257



12.5284, 0.3210, 0.3169



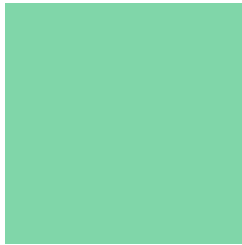
9.3700, 0.4848, 0.2444



0.5818, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 55.5469, 0.2829, 0.3917 looks on a white background.

Color Contrast Check

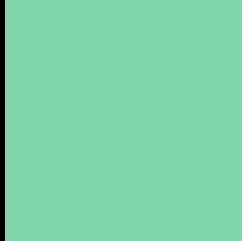
Large Text (above 18pt) WCAG AA × Fail

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 55.5469, 0.2829, 0.3917 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 55.5469, 0.2829, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 55.5469, 0.2829, 0.3917.

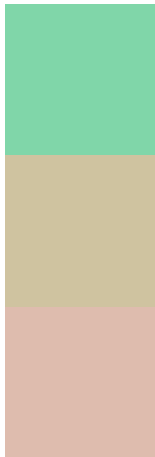


This preview shows how white text looks on a background with the Yxy color 55.5469, 0.2829, 0.3917.

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

55.5469, 0.2829, 0.3917

Protanopia

54.8337, 0.3497, 0.3716

Deuteranopia

54.5520, 0.3530, 0.3454



Tritanopia

55.6161, 0.2585, 0.3084

Trichromacy



Original Color

55.5469, 0.2829, 0.3917



Protanomaly

54.3504, 0.3220, 0.3797



Deuteranomaly

53.6024, 0.3241, 0.3607



Tritanomaly

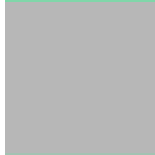
55.6392, 0.2673, 0.3382

Monochromacy



Original Color

55.5469, 0.2829, 0.3917



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 55.5469, 0.2829, 0.3917 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(128, 214, 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(128, 214, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 169) }
```

Border

The CSS property to change the border of an element to Yxy 55.5469, 0.2829, 0.3917 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, 169) }
```

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

```
.border{ border-color:rgb(128, 214, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 214, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 214, 169); box-shadow:4px 4px 4px 4px rgb(128, 214, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5469, 0.2829, 0.3917 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, 169) }
```

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

```
.background{ background-color: rgb(128,  
214, 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](#).

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