

Converting Colors

$Yxy(55.2998, 0.2841, 0.3941)$

Have a look what the booklet for
Yxy(55.2998, 0.2841, 0.3941)
contains.

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Color

Yxy(55.4723, 0.2840, 0.3947)

Conversions

Conversions Part 1

Format	Color
Hex	80D6A7
RGB	128, 214, 167
RGB Percent	50%, 84%, 65%
CMY	0.4983, 0.1607, 0.3451
CMYK	0.40, 0.00, 0.22, 0.16
HSL	147°, 51%, 67%
HSV	147°, 40%, 84%
XYZ	39.9142, 55.4723, 45.1564
YIQ	182.9280, -36.1690, -32.8490

Conversions

Conversions Part 2

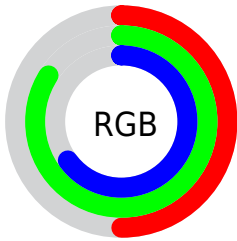
Format	Color
RYB	128, 187, 214
Decimal	8443559
CIELab	79.31, -36.40, 15.18
CIElCh	79, 39.443, 157.359
Yxy	55.4723, 0.2840, 0.3947
Android (android.graphics.Color)	4286633639 (0xFF80D6A7)
YUV	182.9280, -7.8525, -48.1719
Hunter-Lab	74.4797, -34.6802, 16.1888

Details

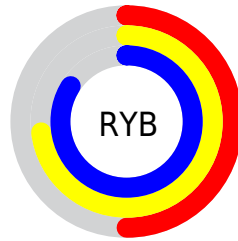
The Yxy color **55.4723, 0.2840, 0.3947** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.8109, 0.3581, 0.2721**, and the grayscale version is **47.3625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9843, 0.2887, 0.3655**, and **27.4505, 0.2753, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **53.5745, 0.2787, 0.4148**, and if you desaturate by 10%, it is **57.7637, 0.2903, 0.3759**.

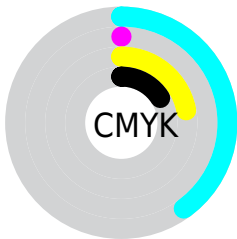
Distribution



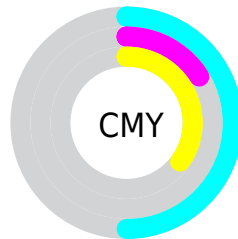
- Red (50%)
- Green (84%)
- Blue (65%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (16%)



- Cyan (50%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4723, 0.2840, 0.3947 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 55.4723, 0.2840, 0.3947 by changing the saturation by 10% instead.


 55.4723, 0.2840,
0.3947


 55.4723, 0.2840,
0.3947


407.6998, 0.2986,
0.3614

 39.7800, 0.2803,
0.4032


 98.2326, 0.2894,
0.3825

 27.3670, 0.2755,
0.4141

 126.0694, 0.2914,
0.3779

 17.8491, 0.2690,
0.4287


 158.7231, 0.2931,
0.3741

 10.8417, 0.2598,
0.4494

196.5782, 0.2945,
0.3708

 5.9605, 0.2460,
0.4805

240.0190, 0.2957,
0.3680

 2.8211, 0.2228,
0.5322

289.4299, 0.2968,

 1.0390, 0.0766,

0.3655

0.8723

345.1954, 0.2978,
0.3633

0.0000, 0.0000,
0.0000

55.4723, 0.2840,
0.3947

55.4723, 0.2840,
0.3947

53.5745, 0.2787,
0.4148

57.7637, 0.2903,
0.3759

52.0402, 0.2748,
0.4359

60.4630, 0.2974,
0.3587

50.8458, 0.2726,
0.4574

63.5922, 0.3049,
0.3432


49.9621, 0.2723,
0.4787


67.1698, 0.3125,
0.3293


49.3542, 0.2740,
0.4991

71.2129, 0.3202,
0.3170

 48.9666, 0.2771,
0.5177

 75.4838, 0.3268,
0.3061

 76.1901, 0.3187,
0.2949

 76.5815, 0.3146,
0.2891

Harmonies

Analogous

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



55.4723, 0.3348, 0.4218



55.4723, 0.2840, 0.3947



55.4723, 0.2431, 0.3453

Triad

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



55.4723, 0.2840, 0.3947



55.4723, 0.2433, 0.2468



55.4723, 0.4138, 0.3491

Complementary

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



55.4723, 0.2840, 0.3947



32.8109, 0.3581, 0.2721

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.



55.4723, 0.3854, 0.3086



55.4723, 0.2840, 0.3947



55.4723, 0.2841, 0.2522

Square

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



55.4723, 0.2840, 0.3947



55.4723, 0.2215, 0.2609



55.4723, 0.3363, 0.2743



55.4723, 0.4118, 0.3886

Rectangle

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



55.4723, 0.2840, 0.3947



55.4723, 0.2261, 0.3108



55.4723, 0.3363, 0.2743



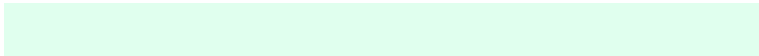
55.4723, 0.4075, 0.3354

Sweetspot

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



55.4746, 0.2840, 0.3947



93.6211, 0.3034, 0.3460



58.8040, 0.3414, 0.4394



19.9029, 0.3024, 0.3480



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.



55.4746, 0.2840, 0.3947



80.1109, 0.2795, 0.4112



57.3238, 0.2599, 0.3345



13.9887, 0.3055, 0.3420



29.6124, 0.2764, 0.5150



1.8027, 0.2671, 0.4814

Inverse Universe

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



32.8109, 0.3581, 0.2721



42.0707, 0.3716, 0.2609



31.3898, 0.4089, 0.3239



12.5332, 0.3207, 0.3163



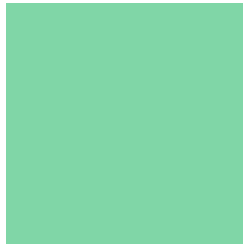
9.4372, 0.4753, 0.2392



0.5858, 0.4414, 0.2205

Previews

White Background



This preview shows how the Yxy color 55.4723, 0.2840, 0.3947 looks on a white background.

Color Contrast Check

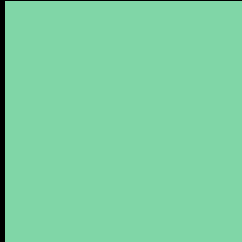
Large Text (above 18pt) WCAG AA × Fail

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 55.4723, 0.2840, 0.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

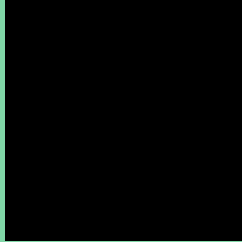
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.4723, 0.2840, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 55.4723, 0.2840, 0.3947.



This preview shows how white text looks on a background with the Yxy color 55.4723, 0.2840, 0.3947.

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

55.4723, 0.2840, 0.3947

Protanopia

54.7642, 0.3512, 0.3741

Deuteranopia

54.6330, 0.3555, 0.3477



Tritanopia

55.1330, 0.2583, 0.3071

Trichromacy



Original Color

55.4723, 0.2840, 0.3947



Protanomaly

54.2792, 0.3234, 0.3823



Deuteranomaly

53.5262, 0.3256, 0.3633



Tritanomaly

55.1470, 0.2671, 0.3368

Monochromacy



Original Color

55.4723, 0.2840, 0.3947



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.5444, 0.3006, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4723, 0.2840, 0.3947 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(128, 214, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 167) }
```

Border

The CSS property to change the border of an element to Yxy 55.4723, 0.2840, 0.3947 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, 167) }
```

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

```
.border{ border-color:rgb(128, 214, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 214, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 214, 167);  
box-shadow:4px 4px 4px 4px rgb(128, 214,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4723, 0.2840, 0.3947 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, 167) }
```

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

```
.background{ background-color: rgb(128,  
214, 167) }
```

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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