

Converting Colors

Yxy(54.9118, 0.2790, 0.3944)

Have a look what the booklet for
Yxy(54.9118, 0.2790, 0.3944)
contains.

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Color

Yxy(54.9134, 0.2788, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	78D6A8
RGB	120, 214, 168
RGB Percent	47%, 84%, 66%
CMY	0.5295, 0.1608, 0.3411
CMYK	0.44, 0.00, 0.21, 0.16
HSL	151°, 53%, 65%
HSV	151°, 44%, 84%
XYZ	38.8575, 54.9134, 45.6032
YIQ	180.6500, -41.2580, -34.2340

Conversions

Conversions Part 2

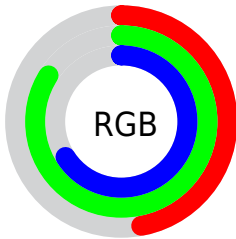
Format	Color
RYB	120, 182, 214
Decimal	7919272
CIELab	78.99, -38.35, 14.14
CIELCh	79, 40.877, 159.762
Yxy	54.9134, 0.2788, 0.3940
Android (android.graphics.Color)	4286109352 (0xFF78D6A8)
YUV	180.6500, -6.2364, -53.1900
Hunter-Lab	74.1036, -36.0817, 15.3855

Details

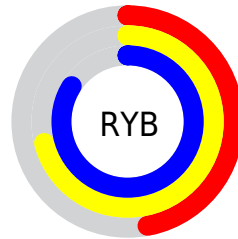
The Yxy color **54.9134, 0.2788, 0.3940** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.4741, 0.3704, 0.2732**, and the grayscale version is **46.0580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0778, 0.2839, 0.3648**, and **27.1472, 0.2691, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **53.1786, 0.2735, 0.4122**, and if you desaturate by 10%, it is **57.0260, 0.2854, 0.3769**.

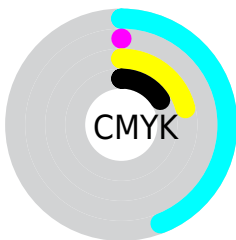
Distribution



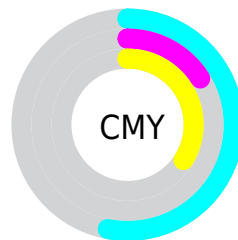
- Red (47%)
- Green (84%)
- Blue (66%)



- Red (47%)
- Yellow (71%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)





- Cyan (53%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9134, 0.2788, 0.3940 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 54.9134, 0.2788, 0.3940 by changing the saturation by 10% instead.


 54.9134, 0.2788,
0.3940


 54.9134, 0.2788,
0.3940


405.5836, 0.2959,
0.3610


 39.3324, 0.2745,
0.4024


 97.4141, 0.2851,
0.3819

 27.0184, 0.2689,
0.4132


 125.1025, 0.2874,
0.3774

 17.5870, 0.2614,
0.4278


 157.5955, 0.2894,
0.3736

 10.6539, 0.2509,
0.4483

195.2776, 0.2911,
0.3703

 5.8346, 0.2352,
0.4794

238.5330, 0.2925,
0.3675

 2.7448, 0.2093,
0.5311

287.7462, 0.2938,

 1.0000, 0.0089,

0.3651

0.9049

343.3016, 0.2949,
0.3629

0.0000, 0.0000,
0.0000

54.9134, 0.2788,
0.3940

54.9134, 0.2788,
0.3940

53.1786, 0.2735,
0.4122

57.0260, 0.2854,
0.3769

51.7910, 0.2697,
0.4312

59.5312, 0.2929,
0.3611

50.7263, 0.2678,
0.4505


62.4513, 0.3009,
0.3467

49.9537, 0.2679,
0.4696

65.8049, 0.3094,
0.3337

49.4361, 0.2699,
0.4880

69.6092, 0.3179,
0.3222

 49.2087, 0.2718,
0.4986

 73.8808, 0.3264,
0.3120

 75.7250, 0.3239,
0.3020

 76.3696, 0.3168,
0.2921

 76.5772, 0.3146,
0.2891

Harmonies

Analogous

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



54.9134, 0.3312, 0.4247



54.9134, 0.2788, 0.3940



54.9134, 0.2378, 0.3413

Triad

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



54.9134, 0.2788, 0.3940



54.9134, 0.2435, 0.2436



54.9134, 0.4189, 0.3530

Complementary

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



54.9134, 0.2788, 0.3940



30.4741, 0.3704, 0.2732

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.



54.9134, 0.3917, 0.3110



54.9134, 0.2788, 0.3940



54.9134, 0.2870, 0.2508

Square

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



54.9134, 0.2788, 0.3940



54.9134, 0.2192, 0.2563



54.9134, 0.3417, 0.2748



54.9134, 0.4141, 0.3935

Rectangle

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



54.9134, 0.2788, 0.3940



54.9134, 0.2215, 0.3058



54.9134, 0.3417, 0.2748



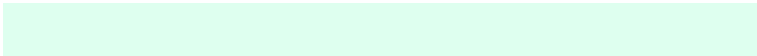
54.9134, 0.4132, 0.3388

Sweetspot

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



54.9156, 0.2788, 0.3940



93.2453, 0.3016, 0.3456



57.6666, 0.3398, 0.4518



19.7369, 0.2998, 0.3486



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.



54.9156, 0.2788, 0.3940



79.1722, 0.2737, 0.4114



56.9434, 0.2537, 0.3288



14.0008, 0.3047, 0.3406



29.7621, 0.2711, 0.4961



1.8118, 0.2625, 0.4649

Inverse Universe

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



30.4741, 0.3704, 0.2732



38.1999, 0.3895, 0.2620



29.0776, 0.4285, 0.3293



12.5210, 0.3215, 0.3177



9.2743, 0.4993, 0.2524



0.5761, 0.4603, 0.2310

Previews

White Background



This preview shows how the Yxy color 54.9134, 0.2788, 0.3940 looks on a white background.

Color Contrast Check

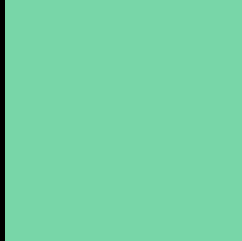
Large Text (above 18pt) WCAG AA × Fail

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 54.9134, 0.2788, 0.3940 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 54.9134, 0.2788, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 54.9134, 0.2788, 0.3940.

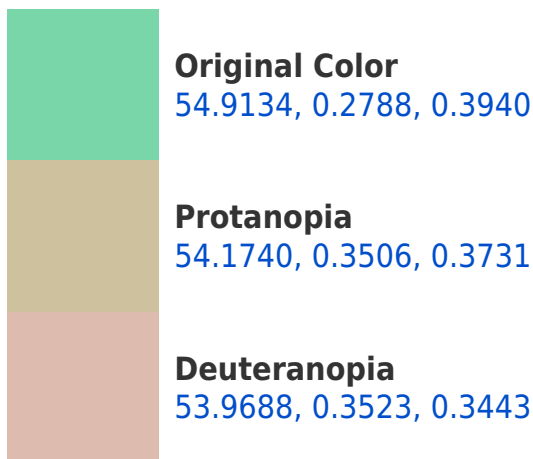


This preview shows how white text looks on a background with the Yxy color 54.9134, 0.2788, 0.3940.

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





Tritanopia

55.0217, 0.2547, 0.3082

Trichromacy



Original Color

54.9134, 0.2788, 0.3940



Protanomaly

53.4959, 0.3204, 0.3802



Deuteranomaly

53.1014, 0.3208, 0.3611



Tritanomaly

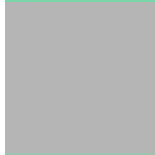
55.0721, 0.2634, 0.3382

Monochromacy



Original Color

54.9134, 0.2788, 0.3940



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.6454, 0.2983, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9134, 0.2788, 0.3940 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(120, 214, 168)` looks like.

```
.text, #text, p{  
    color:rgb(120, 214, 168)  
}
```

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(120, 214, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 214, 168) }
```

Border

The CSS property to change the border of an element to Yxy 54.9134, 0.2788, 0.3940 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(120, 214, 168) }
```

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

```
.border{ border-color:rgb(120, 214, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 214, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 214, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 214, 168);  
box-shadow:4px 4px 4px 4px rgb(120, 214,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9134, 0.2788, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 214, 168) }
```

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

```
.background{ background-color: rgb(120,  
214, 168) }
```

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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