

Converting Colors

$Yxy(57.9774, 0.2657, 0.4574)$

Have a look what the booklet for
Yxy(57.9774, 0.2657, 0.4574)
contains.

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Color

Yxy(57.9753, 0.2658, 0.4578)

Conversions

Conversions Part 1

Format	Color
Hex	2CE48E
RGB	44, 228, 142
RGB Percent	17%, 89%, 56%
CMY	0.8278, 0.1058, 0.4432
CMYK	0.81, 0.00, 0.38, 0.11
HSL	152°, 77%, 53%
HSV	152°, 81%, 89%
XYZ	33.6606, 57.9753, 35.0030
YIQ	163.1800, -82.0580, -65.7540

Conversions

Conversions Part 2

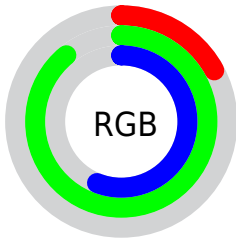
Format	Color
RYB	44, 164, 228
Decimal	2942094
CIELab	80.73, -63.17, 29.76
CIELCh	81, 69.826, 154.774
Yxy	57.9753, 0.2658, 0.4578
Android (android.graphics.Color)	4281132174 (0xFF2CE48E)
YUV	163.1800, -10.4417, -104.5209
Hunter-Lab	76.1415, -54.3364, 26.0429

Details

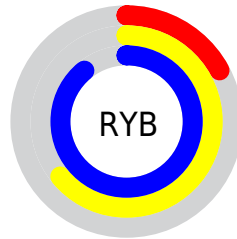
The Yxy color **57.9753, 0.2658, 0.4578** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **19.8990, 0.4626, 0.2494**, and the grayscale version is **36.7818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5705, 0.2708, 0.4020**, and **29.8812, 0.2691, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **57.3000, 0.2672, 0.4758**, and if you desaturate by 10%, it is **58.9626, 0.2665, 0.4394**.

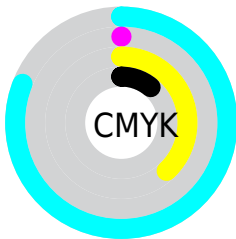
Distribution



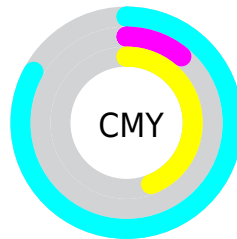
- Red (17%)
- Green (89%)
- Blue (56%)



- Red (17%)
- Yellow (64%)
- Blue (89%)



- Cyan (81%)
- Magenta (0%)
- Yellow (38%)
- Black (11%)





- Cyan (83%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9753, 0.2658, 0.4578 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 57.9753, 0.2658, 0.4578 by changing the saturation by 10% instead.


 57.9753, 0.2658,
0.4578


 57.9753, 0.2658,
0.4578


417.0939, 0.2908,
0.3910


 41.7888, 0.2591,
0.4751

 101.8869, 0.2752,
0.4330


 28.9359, 0.2504,
0.4975


 130.3808, 0.2787,
0.4239

 19.0324, 0.2383,
0.5276


 163.7459, 0.2815,
0.4162

 11.6937, 0.2210,
0.5700

 202.3666, 0.2840,
0.4096

 6.5355, 0.1945,
0.6328

 246.6274, 0.2860,
0.4040

 3.1733, 0.1510,
0.7503

296.9126, 0.2878,

 1.2229, 0.0000,

0.3991

1.0000

353.6066, 0.2894,
0.3948

■ 0.0803, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9753, 0.2658,
0.4578

■ 57.9753, 0.2658,
0.4578

■ 57.3000, 0.2672,
0.4758


■ 58.9626, 0.2665,
0.4394

■ 56.8839, 0.2699,
0.4917


■ 60.2955, 0.2691,
0.4209


■ 62.0104, 0.2736,
0.4030


■ 64.1373, 0.2796,
0.3859

 66.7029, 0.2867,
0.3699

 69.7318, 0.2947,
0.3552

 73.2465, 0.3032,
0.3418

 77.2683, 0.3121,
0.3298

 81.8168, 0.3209,
0.3192

Harmonies

Analogous

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



57.9753, 0.3498, 0.4973



57.9753, 0.2658, 0.4578



57.9753, 0.1994, 0.3628

Triad

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



57.9753, 0.2658, 0.4578



57.9753, 0.1946, 0.1965



57.9753, 0.4859, 0.3473

Complementary

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



57.9753, 0.2658, 0.4578



19.8990, 0.4626, 0.2494

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.



57.9753, 0.4328, 0.2866



57.9753, 0.2658, 0.4578



57.9753, 0.2554, 0.2044

Square

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



57.9753, 0.2658, 0.4578



57.9753, 0.1649, 0.2167



57.9753, 0.3428, 0.2362



57.9753, 0.4810, 0.4115

Rectangle

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



57.9753, 0.2658, 0.4578



57.9753, 0.1731, 0.2987



57.9753, 0.3428, 0.2362



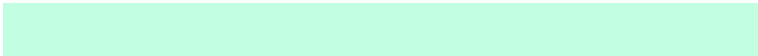
57.9753, 0.4744, 0.3264

Sweetspot

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



57.9776, 0.2658, 0.4578



88.4762, 0.2919, 0.3600



60.6501, 0.3423, 0.5484



18.6390, 0.2891, 0.3653



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.



57.9776, 0.2658, 0.4578



73.4462, 0.2692, 0.4876



59.9534, 0.2272, 0.3247



16.2169, 0.3044, 0.3402



32.8682, 0.2692, 0.4891



2.4476, 0.2621, 0.4637

Inverse Universe

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



19.8990, 0.4626, 0.2494



22.8615, 0.5067, 0.2579



18.7072, 0.5934, 0.3317



14.4795, 0.3219, 0.3181



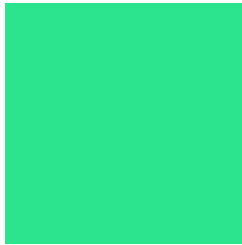
10.1549, 0.5093, 0.2579



0.7690, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 57.9753, 0.2658, 0.4578 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 57.9753, 0.2658, 0.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

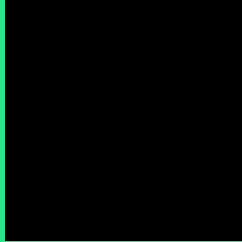
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.9753, 0.2658, 0.4578

Background



This preview shows how black text looks on a background with the Yxy color 57.9753, 0.2658, 0.4578.

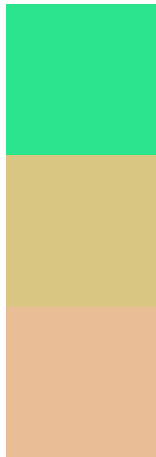


This preview shows how white text looks on a background with the Yxy color 57.9753, 0.2658, 0.4578.

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

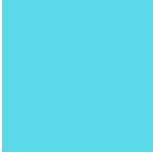
57.9753, 0.2658, 0.4578

Protanopia

56.5988, 0.3796, 0.4089

Deuteranopia

56.3849, 0.3812, 0.3731



Tritanopia

57.7399, 0.2330, 0.3066

Trichromacy



Original Color

57.9753, 0.2658, 0.4578



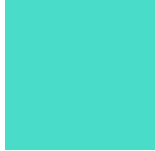
Protanomaly

54.0945, 0.3214, 0.4320



Deuteranomaly

53.2164, 0.3212, 0.4046



Tritanomaly

57.3464, 0.2435, 0.3567

Monochromacy



Original Color

57.9753, 0.2658, 0.4578



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

41.9003, 0.2838, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9753, 0.2658, 0.4578 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(44, 228, 142)` looks like.

```
.text, #text, p{  
    color:rgb(44, 228, 142)  
}
```

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(44, 228, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 228, 142) }
```

Border

The CSS property to change the border of an element to Yxy 57.9753, 0.2658, 0.4578 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(44, 228, 142) }
```

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

```
.border{ border-color:rgb(44, 228, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 228, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 228, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 228, 142);  
box-shadow:4px 4px 4px 4px rgb(44, 228,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9753, 0.2658, 0.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 228, 142) }
```

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

```
.background{ background-color: rgb(44, 228,  
142) }
```

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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