

Converting Colors

$Yxy(58.0250, 0.2648, 0.4571)$

Have a look what the booklet for
Yxy(58.0250, 0.2648, 0.4571)
contains.

Yxy(57.9211, 0.2646, 0.4565)	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(57.9211, 0.2646, 0.4565)

Conversions

Conversions Part 1

Format	Color
Hex	28E48F
RGB	40, 228, 143
RGB Percent	16%, 89%, 56%
CMY	0.8434, 0.1059, 0.4393
CMYK	0.82, 0.00, 0.37, 0.11
HSL	153°, 78%, 53%
HSV	153°, 82%, 89%
XYZ	33.5727, 57.9211, 35.3871
YIQ	162.0980, -84.7630, -66.2910

Conversions

Conversions Part 2

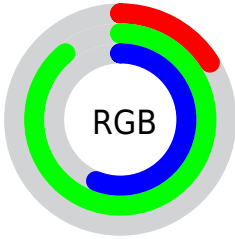
Format	Color
RYB	40, 161, 228
Decimal	2679951
CIELab	80.69, -63.35, 29.21
CIELCh	81, 69.755, 155.246
Yxy	57.9211, 0.2646, 0.4565
Android (android.graphics.Color)	4280870031 (0xFF28E48F)
YUV	162.0980, -9.4153, -107.0799
Hunter-Lab	76.1059, -54.4435, 25.7060

Details

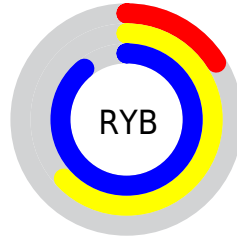
The Yxy color **57.9211, 0.2646, 0.4565** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **19.4878, 0.4724, 0.2525**, and the grayscale version is **36.2447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4732, 0.2696, 0.4008**, and **29.8985, 0.2686, 0.4868** is the 20% darker color. If you saturate the color by 10%, you get **57.2959, 0.2662, 0.4738**, and if you desaturate by 10%, it is **58.8485, 0.2650, 0.4387**.

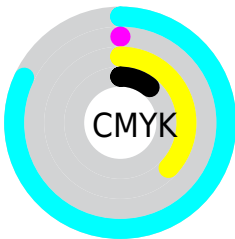
Distribution



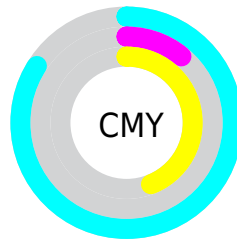
- Red (16%)
- Green (89%)
- Blue (56%)



- Red (16%)
- Yellow (63%)
- Blue (89%)



- Cyan (82%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)





- Cyan (84%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9211, 0.2646, 0.4565 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 57.9211, 0.2646, 0.4565 by changing the saturation by 10% instead.


 57.9211, 0.2646,
0.4565

 57.9211, 0.2646,
0.4565

416.8919, 0.2901,
0.3904

 41.7452, 0.2578,
0.4736

 101.8080, 0.2742,
0.4320

 28.9018, 0.2489,
0.4958


 130.2877, 0.2777,
0.4229

 19.0066, 0.2368,
0.5256


 163.6376, 0.2806,
0.4153

 11.6750, 0.2193,
0.5676

 202.2419, 0.2831,
0.4088

 6.5228, 0.1927,
0.6299

 246.4851, 0.2852,
0.4033

 3.1655, 0.1485,
0.7450

296.7516, 0.2871,

 1.2187, 0.0000,

0.3984

1.0000

353.4257, 0.2887,
0.3941

■ 0.0769, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9211, 0.2646,
0.4565

■ 57.9211, 0.2646,
0.4565

■ 57.2959, 0.2662,
0.4738


■ 58.8485, 0.2650,
0.4387


■ 56.9700, 0.2684,
0.4864


■ 60.1132, 0.2675,
0.4209

■ 61.7524, 0.2718,
0.4034


■ 63.7967, 0.2776,
0.3867

 66.2732, 0.2848,
0.3711

 69.2066, 0.2928,
0.3567

 72.6200, 0.3015,
0.3435

 76.5345, 0.3105,
0.3317

 80.9701, 0.3196,
0.3212

Harmonies

Analogous

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



57.9211, 0.3484, 0.4972



57.9211, 0.2646, 0.4565



57.9211, 0.1987, 0.3612

Triad

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



57.9211, 0.2646, 0.4565



57.9211, 0.1954, 0.1964



57.9211, 0.4862, 0.3483

Complementary

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



57.9211, 0.2646, 0.4565



19.4878, 0.4724, 0.2525

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.



57.9211, 0.4340, 0.2875



57.9211, 0.2646, 0.4565



57.9211, 0.2567, 0.2048

Square

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



57.9211, 0.2646, 0.4565



57.9211, 0.1652, 0.2162



57.9211, 0.3443, 0.2370



57.9211, 0.4804, 0.4125

Rectangle

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



57.9211, 0.2646, 0.4565



57.9211, 0.1727, 0.2974



57.9211, 0.3443, 0.2370



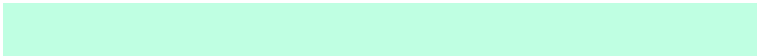
57.9211, 0.4750, 0.3274

Sweetspot

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



57.9234, 0.2646, 0.4565



88.1296, 0.2906, 0.3604



60.2099, 0.3397, 0.5531



18.5748, 0.2877, 0.3655



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.



57.9234, 0.2646, 0.4565



73.4556, 0.2684, 0.4857



58.1555, 0.2254, 0.3203



16.2207, 0.3042, 0.3398



32.9182, 0.2677, 0.4839



2.4512, 0.2609, 0.4591

Inverse Universe

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



19.4878, 0.4724, 0.2525



22.5923, 0.5182, 0.2633



18.6176, 0.5977, 0.3335



14.4758, 0.3222, 0.3184



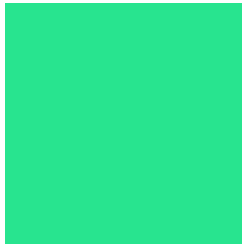
10.1138, 0.5156, 0.2614



0.7659, 0.4800, 0.2418

Previews

White Background



This preview shows how the Yxy color 57.9211, 0.2646, 0.4565 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 57.9211, 0.2646, 0.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

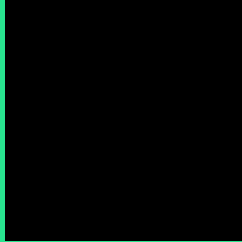
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.9211, 0.2646, 0.4565

Background



This preview shows how black text looks on a background with the Yxy color 57.9211, 0.2646, 0.4565.

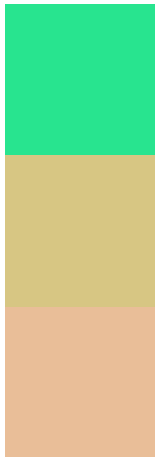


This preview shows how white text looks on a background with the Yxy color 57.9211, 0.2646, 0.4565.

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

57.9211, 0.2646, 0.4565

Protanopia

56.4739, 0.3780, 0.4080

Deuteranopia

56.4175, 0.3804, 0.3720



Tritanopia

57.7477, 0.2323, 0.3054

Trichromacy



Original Color

57.9211, 0.2646, 0.4565



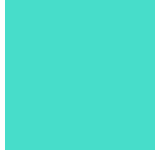
Protanomaly

53.9295, 0.3193, 0.4311



Deuteranomaly

53.1422, 0.3197, 0.4034



Tritanomaly

57.3168, 0.2425, 0.3553

Monochromacy



Original Color

57.9211, 0.2646, 0.4565



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

41.3359, 0.2823, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9211, 0.2646, 0.4565 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(40, 228, 143)` looks like.

```
.text, #text, p{  
    color:rgb(40, 228, 143)  
}
```

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(40, 228, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 228, 143) }
```

Border

The CSS property to change the border of an element to Yxy 57.9211, 0.2646, 0.4565 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(40, 228, 143) }
```

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

```
.border{ border-color:rgb(40, 228, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 228, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 228, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 228, 143);  
box-shadow:4px 4px 4px 4px rgb(40, 228,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9211, 0.2646, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 228, 143) }
```

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

```
.background{ background-color: rgb(40, 228,  
143) }
```

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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