

Converting Colors

Yxy(66.8173, 0.2794, 0.4543)

Have a look what the booklet for
Yxy(66.8173, 0.2794, 0.4543)
contains.

Yxy(66.8173, 0.2794, 0.4543)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.8173, 0.2794, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	5DF095
RGB	93, 240, 149
RGB Percent	36%, 94%, 58%
CMY	0.6356, 0.0588, 0.4157
CMYK	0.61, 0.00, 0.38, 0.06
HSL	143°, 83%, 65%
HSV	143°, 61%, 94%
XYZ	41.0934, 66.8173, 39.1667
YIQ	185.6730, -58.4010, -59.4650

Conversions

Conversions Part 2

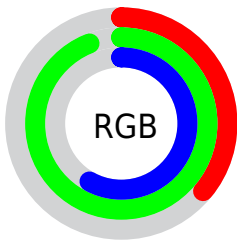
Format	Color
R_{YB}	93, 199, 240
Decimal	6156437
CIE _{Lab}	85.41, -59.04, 32.61
CIE _{LCh}	85, 67.448, 151.087
Yxy	66.8173, 0.2794, 0.4543
Android (android.graphics.Color)	4284346517 (0xFF5DF095)
YUV	185.6730, -18.0798, -81.2742
Hunter-Lab	81.7418, -53.3123, 28.8104

Details

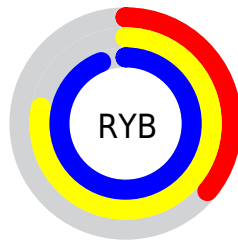
The Yxy color **66.8173, 0.2794, 0.4543** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **29.8001, 0.3824, 0.2350**, and the grayscale version is **49.0281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8482, 0.2826, 0.3890**, and **34.7300, 0.2695, 0.4903** is the 20% darker color. If you saturate the color by 10%, you get **65.3147, 0.2779, 0.4786**, and if you desaturate by 10%, it is **68.7785, 0.2825, 0.4301**.

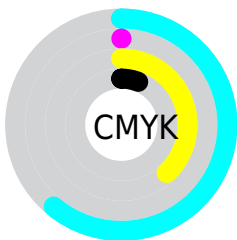
Distribution



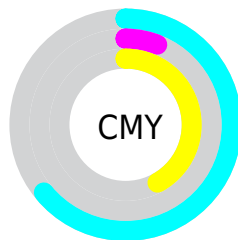
- Red (36%)
- Green (94%)
- Blue (58%)



- Red (36%)
- Yellow (78%)
- Blue (94%)



- Cyan (61%)
- Magenta (0%)
- Yellow (38%)
- Black (6%)





- Cyan (64%)
- Magenta (6%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8173, 0.2794, 0.4543 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 66.8173, 0.2794, 0.4543 by changing the saturation by 10% instead.

 66.8173, 0.2794,
0.4543

 66.8173, 0.2794,
0.4543


449.2942, 0.2974,
0.3910


 48.9362, 0.2746,
0.4701


 114.6586, 0.2862,
0.4313

 34.5688, 0.2682,
0.4903


 145.3875, 0.2887,
0.4226

 23.3309, 0.2594,
0.5170


 181.1679, 0.2908,
0.4153

 14.8381, 0.2468,
0.5535

 222.3840, 0.2925,
0.4090

 8.7058, 0.2274,
0.6060

269.4203, 0.2940,
0.4036

 4.5498, 0.1955,
0.6863

322.6611, 0.2953,

 1.9856, 0.0833,

0.3989

0.9167

382.4910, 0.2964,
0.3947

■ 0.5991, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8173, 0.2794,
0.4543

■ 66.8173, 0.2794,
0.4543

■ 65.3147, 0.2779,
0.4786

■ 68.7785, 0.2825,
0.4301

■ 64.2221, 0.2783,
0.5022

■ 71.2257, 0.2870,
0.4069

■ 63.4941, 0.2805,
0.5240

■ 74.1933, 0.2925,
0.3851

■ 63.0910, 0.2836,
0.5410

■ 77.7104, 0.2986,
0.3651

 81.8037, 0.3052,
0.3470

 86.4984, 0.3119,
0.3309

 90.6757, 0.3146,
0.3166

 90.8067, 0.3134,
0.3146

Harmonies

Analogous

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



66.8173, 0.3583, 0.4836



66.8173, 0.2794, 0.4543



66.8173, 0.2139, 0.3720

Triad

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



66.8173, 0.2794, 0.4543



66.8173, 0.1975, 0.2059



66.8173, 0.4694, 0.3403

Complementary

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



66.8173, 0.2794, 0.4543



29.8001, 0.3824, 0.2350

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.



66.8173, 0.4145, 0.2835



66.8173, 0.2794, 0.4543



66.8173, 0.2513, 0.2101

Square

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



66.8173, 0.2794, 0.4543



66.8173, 0.1728, 0.2294



66.8173, 0.3303, 0.2376



66.8173, 0.4726, 0.4007

Rectangle

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



66.8173, 0.2794, 0.4543



66.8173, 0.1861, 0.3121



66.8173, 0.3303, 0.2376



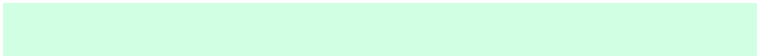
66.8173, 0.4563, 0.3207

Sweetspot

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



66.8200, 0.2794, 0.4543



90.6140, 0.3007, 0.3590



73.5647, 0.3592, 0.4947



19.1152, 0.2988, 0.3645



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.



66.8200, 0.2794, 0.4543



74.5309, 0.2778, 0.4857



69.8384, 0.2464, 0.3538



17.7561, 0.3064, 0.3440



34.5573, 0.2828, 0.5380



2.8937, 0.2754, 0.5115

Inverse Universe

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



29.8001, 0.3824, 0.2350



28.6126, 0.4044, 0.2235



27.5243, 0.4816, 0.3097



15.9233, 0.3196, 0.3145



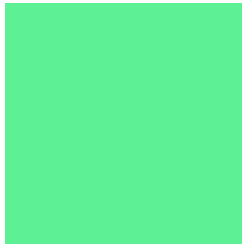
11.3467, 0.4463, 0.2232



0.9633, 0.4254, 0.2117

Previews

White Background



This preview shows how the Yxy color 66.8173, 0.2794, 0.4543 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 66.8173, 0.2794, 0.4543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

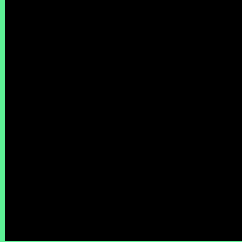
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8173, 0.2794, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 66.8173, 0.2794, 0.4543.



This preview shows how white text looks on a background with the Yxy color 66.8173, 0.2794, 0.4543.

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

66.8173, 0.2794, 0.4543

Protanopia

65.7161, 0.3804, 0.4119

Deuteranopia

65.4702, 0.3857, 0.3777



Tritanopia

66.4132, 0.2427, 0.3058

Trichromacy



Original Color

66.8173, 0.2794, 0.4543



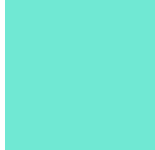
Protanomaly

63.8689, 0.3350, 0.4300



Deuteranomaly

62.7823, 0.3377, 0.4048



Tritanomaly

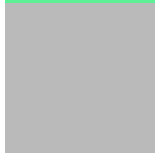
65.8611, 0.2556, 0.3560

Monochromacy



Original Color

66.8173, 0.2794, 0.4543



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.8351, 0.2954, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8173, 0.2794, 0.4543 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(93, 240, 149)` looks like.

```
.text, #text, p{  
    color:rgb(93, 240, 149)  
}
```

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(93, 240, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 240, 149) }
```

Border

The CSS property to change the border of an element to Yxy 66.8173, 0.2794, 0.4543 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(93, 240, 149) }
```

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

```
.border{ border-color:rgb(93, 240, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 240, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 240, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 240, 149);  
box-shadow:4px 4px 4px 4px rgb(93, 240,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8173, 0.2794, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 240, 149) }
```

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

```
.background{ background-color: rgb(93, 240,  
149) }
```

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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