

Converting Colors

$Yxy(62.5945, 0.2799, 0.4642)$

Have a look what the booklet for
Yxy(62.5945, 0.2799, 0.4642)
contains.

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Color

Yxy(62.5945, 0.2799, 0.4642)

Conversions

Conversions Part 1

Format	Color
Hex	54EA8B
RGB	84, 234, 139
RGB Percent	33%, 92%, 55%
CMY	0.6703, 0.0824, 0.4550
CMYK	0.64, 0.00, 0.41, 0.08
HSL	142°, 78%, 62%
HSV	142°, 64%, 92%
XYZ	37.7428, 62.5945, 34.5065
YIQ	178.3200, -58.9050, -61.3450

Conversions

Conversions Part 2

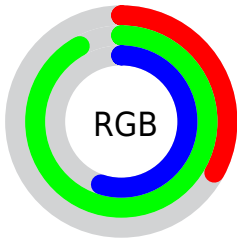
Format	Color
RYB	84, 194, 234
Decimal	5565067
CIELab	83.23, -60.20, 34.73
CIElCh	83, 69.498, 150.021
Yxy	62.5945, 0.2799, 0.4642
Android (android.graphics.Color)	4283755147 (0xFF54EA8B)
YUV	178.3200, -19.3848, -82.7186
Hunter-Lab	79.1167, -53.3004, 29.5225

Details

The Yxy color **62.5945, 0.2799, 0.4642** 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 **27.1054, 0.3838, 0.2299**, and the grayscale version is **44.8389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5733, 0.2840, 0.4035**, and **32.1489, 0.2725, 0.5012** is the 20% darker color. If you saturate the color by 10%, you get **61.2859, 0.2790, 0.4889**, and if you desaturate by 10%, it is **64.3276, 0.2825, 0.4394**.

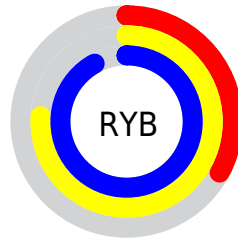
Distribution



Red (33%)

Green (92%)

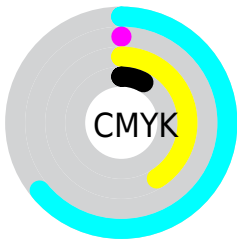
Blue (55%)



Red (33%)

Yellow (76%)

Blue (92%)

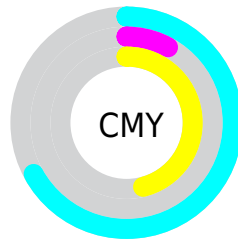


Cyan (64%)

Magenta (0%)

Yellow (41%)

Black (8%)



Cyan (67%)


Magenta (8%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5945, 0.2799, 0.4642 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 62.5945, 0.2799, 0.4642 by changing the saturation by 10% instead.


 62.5945, 0.2799,
0.4642


 62.5945, 0.2799,
0.4642

434.0963, 0.2982,
0.3949


 45.5132, 0.2748,
0.4817


 108.5843, 0.2870,
0.4388


 31.8619, 0.2679,
0.5043

 138.2616, 0.2895,
0.4293

 21.2560, 0.2583,
0.5343


 172.9064, 0.2916,
0.4213

 13.3113, 0.2442,
0.5757

 212.9031, 0.2934,
0.4145

 7.6432, 0.2219,
0.6354

258.6360, 0.2949,
0.4086

 3.8675, 0.1880,
0.7407

310.4896, 0.2962,

 1.5997, 0.0000,

0.4035

1.0000

368.8482, 0.2973,
0.3989

■ 0.3574, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.5945, 0.2799,
0.4642

■ 62.5945, 0.2799,
0.4642

■ 61.2859, 0.2790,
0.4889

■ 64.3276, 0.2825,
0.4394

■ 60.3544, 0.2799,
0.5124


■ 66.5121, 0.2865,
0.4152

■ 59.7542, 0.2826,
0.5337

■ 69.1816, 0.2916,
0.3924


■ 59.5117, 0.2847,
0.5451

■ 72.3640, 0.2974,
0.3714

 76.0853, 0.3036,
0.3524

 80.3696, 0.3101,
0.3354

 85.2395, 0.3165,
0.3203

 87.3251, 0.3137,
0.3088

Harmonies

Analogous

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



62.5945, 0.3624, 0.4917



62.5945, 0.2799, 0.4642



62.5945, 0.2109, 0.3777

Triad

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



62.5945, 0.2799, 0.4642



62.5945, 0.1910, 0.2009



62.5945, 0.4764, 0.3377

Complementary

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



62.5945, 0.2799, 0.4642



27.1054, 0.3838, 0.2299

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.



62.5945, 0.4169, 0.2792



62.5945, 0.2799, 0.4642



62.5945, 0.2457, 0.2045

Square

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



62.5945, 0.2799, 0.4642



62.5945, 0.1665, 0.2259



62.5945, 0.3276, 0.2322



62.5945, 0.4810, 0.4004

Rectangle

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



62.5945, 0.2799, 0.4642



62.5945, 0.1814, 0.3137



62.5945, 0.3276, 0.2322



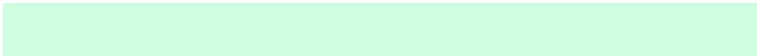
62.5945, 0.4620, 0.3174

Sweetspot

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



62.5971, 0.2799, 0.4642



90.1181, 0.3005, 0.3617



69.3744, 0.3619, 0.5001



19.0169, 0.2987, 0.3673



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.



62.5971, 0.2799, 0.4642



74.0653, 0.2791, 0.4968



65.4627, 0.2459, 0.3585



16.9533, 0.3066, 0.3443



33.4648, 0.2839, 0.5422



2.6458, 0.2761, 0.5141

Inverse Universe

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



27.1054, 0.3838, 0.2299



27.7757, 0.4054, 0.2193



24.8987, 0.4898, 0.3069



15.2148, 0.3194, 0.3142



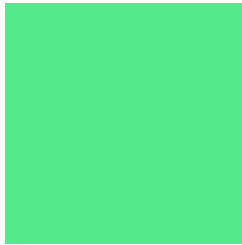
11.0622, 0.4401, 0.2198



0.8870, 0.4192, 0.2083

Previews

White Background



This preview shows how the Yxy color 62.5945, 0.2799, 0.4642 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 62.5945, 0.2799, 0.4642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

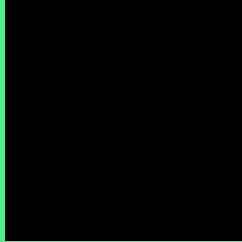
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.5945, 0.2799, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 62.5945, 0.2799, 0.4642.

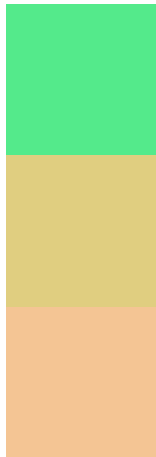


This preview shows how white text looks on a background with the Yxy color 62.5945, 0.2799, 0.4642.

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

62.5945, 0.2799, 0.4642

Protanopia

61.5484, 0.3843, 0.4171

Deuteranopia

61.3037, 0.3902, 0.3820



Tritanopia

62.2468, 0.2414, 0.3064

Trichromacy



Original Color

62.5945, 0.2799, 0.4642



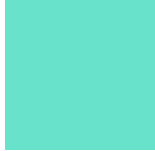
Protanomaly

59.6619, 0.3366, 0.4370



Deuteranomaly

58.5766, 0.3396, 0.4110



Tritanomaly

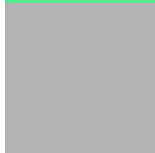
61.6476, 0.2548, 0.3596

Monochromacy



Original Color

62.5945, 0.2799, 0.4642



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.9978, 0.2955, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5945, 0.2799, 0.4642 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(84, 234, 139)` looks like.

```
.text, #text, p{  
    color:rgb(84, 234, 139)  
}
```

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(84, 234, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 234, 139) }
```

Border

The CSS property to change the border of an element to Yxy 62.5945, 0.2799, 0.4642 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(84, 234, 139) }
```

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

```
.border{ border-color:rgb(84, 234, 139) }
```

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

Here you see how a box with a 4 pixel rgb(84, 234, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 234, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 234, 139);  
box-shadow:4px 4px 4px 4px rgb(84, 234,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5945, 0.2799, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 234, 139) }
```

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

```
.background{ background-color: rgb(84, 234,  
139) }
```

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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