

Converting Colors

$Yxy(64.2995, 0.2743, 0.4346)$

Have a look what the booklet for
Yxy(64.2995, 0.2743, 0.4346)
contains.

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Color

Yxy(64.2995, 0.2743, 0.4346)

Conversions

Conversions Part 1

Format	Color
Hex	5EEB9F
RGB	94, 235, 159
RGB Percent	37%, 92%, 62%
CMY	0.6313, 0.0784, 0.3765
CMYK	0.60, 0.00, 0.32, 0.08
HSL	148°, 78%, 65%
HSV	148°, 60%, 92%
XYZ	40.5830, 64.2995, 43.0685
YIQ	184.1770, -59.6400, -53.5280

Conversions

Conversions Part 2

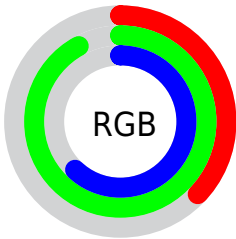
Format	Color
RYB	94, 191, 235
Decimal	6220703
CIELab	84.12, -55.05, 25.81
CIElCh	84, 60.802, 154.881
Yxy	64.2995, 0.2743, 0.4346
Android (android.graphics.Color)	4284410783 (0xFF5EEB9F)
YUV	184.1770, -12.4123, -79.0852
Hunter-Lab	80.1870, -49.9876, 24.2861

Details

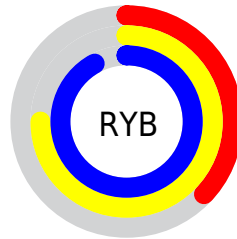
The Yxy color **64.2995, 0.2743, 0.4346** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **28.5749, 0.3950, 0.2479**, and the grayscale version is **48.1337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3436, 0.2776, 0.3767**, and **32.9023, 0.2625, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **62.8253, 0.2721, 0.4560**, and if you desaturate by 10%, it is **66.2021, 0.2783, 0.4137**.

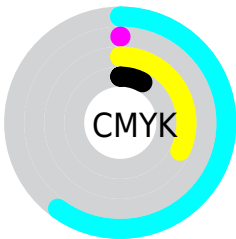
Distribution



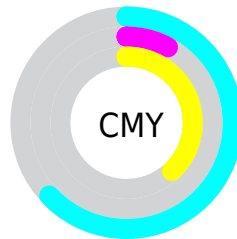
- Red (37%)
- Green (92%)
- Blue (62%)



- Red (37%)
- Yellow (75%)
- Blue (92%)



- Cyan (60%)
- Magenta (0%)
- Yellow (32%)
- Black (8%)




- Cyan (63%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2995, 0.2743, 0.4346 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 64.2995, 0.2743, 0.4346 by changing the saturation by 10% instead.


 64.2995, 0.2743,
0.4346


 64.2995, 0.2743,
0.4346


440.2704, 0.2941,
0.3813

 46.8933, 0.2692,
0.4480


 111.0422, 0.2816,
0.4152

 32.9513, 0.2626,
0.4651


 141.1474, 0.2844,
0.4079

 22.0891, 0.2537,
0.4879


 176.2544, 0.2866,
0.4017

 13.9224, 0.2411,
0.5193

 216.7477, 0.2886,
0.3964

 8.0667, 0.2223,
0.5653

263.0115, 0.2903,
0.3919

 4.1377, 0.1918,
0.6372

315.4303, 0.2917,

 1.7509, 0.0750,

0.3879

0.9250

374.3884, 0.2930,
0.3844

■ 0.4563, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2995, 0.2743,
0.4346

■ 64.2995, 0.2743,
0.4346

■ 62.8253, 0.2721,
0.4560

■ 66.2021, 0.2783,
0.4137

■ 61.7348, 0.2718,
0.4771


■ 68.5576, 0.2836,
0.3938

■ 60.9869, 0.2734,
0.4974

■ 71.3978, 0.2901,
0.3752


■ 60.5080, 0.2768,
0.5163

■ 74.7493, 0.2973,
0.3581

 60.5076, 0.2768,
0.5164

 78.6367, 0.3049,
0.3427

 83.0831, 0.3127,
0.3290

 87.4361, 0.3182,
0.3167

 87.8985, 0.3136,
0.3097

Harmonies

Analogous

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



64.2995, 0.3468, 0.4694



64.2995, 0.2743, 0.4346



64.2995, 0.2161, 0.3580

Triad

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



64.2995, 0.2743, 0.4346



64.2995, 0.2110, 0.2141



64.2995, 0.4591, 0.3479

Complementary

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



64.2995, 0.2743, 0.4346



28.5749, 0.3950, 0.2479

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.



64.2995, 0.4142, 0.2938



64.2995, 0.2743, 0.4346



64.2995, 0.2647, 0.2207

Square

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



64.2995, 0.2743, 0.4346



64.2995, 0.1842, 0.2332



64.2995, 0.3392, 0.2490



64.2995, 0.4571, 0.4040

Rectangle

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



64.2995, 0.2743, 0.4346



64.2995, 0.1923, 0.3050



64.2995, 0.3392, 0.2490



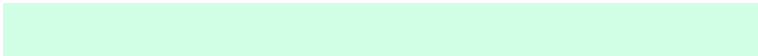
64.2995, 0.4490, 0.3293

Sweetspot

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



64.3021, 0.2743, 0.4346



90.8173, 0.2987, 0.3551



68.9479, 0.3501, 0.4963



19.1646, 0.2965, 0.3598



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.



64.3021, 0.2743, 0.4346



75.2755, 0.2718, 0.4609



67.3980, 0.2422, 0.3378



16.9777, 0.3053, 0.3420



33.6994, 0.2760, 0.5134



2.6654, 0.2686, 0.4869

Inverse Universe

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



28.5749, 0.3950, 0.2479



28.7345, 0.4212, 0.2382



26.6124, 0.4920, 0.3224



15.1899, 0.3208, 0.3164



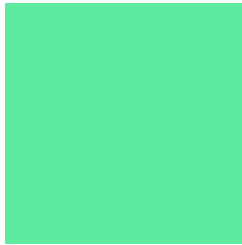
10.7043, 0.4791, 0.2413



0.8599, 0.4511, 0.2259

Previews

White Background



This preview shows how the Yxy color 64.2995, 0.2743, 0.4346 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 64.2995, 0.2743, 0.4346 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 64.2995, 0.2743, 0.4346

Background



This preview shows how black text looks on a background with the Yxy color 64.2995, 0.2743, 0.4346.

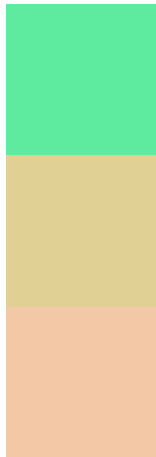


This preview shows how white text looks on a background with the Yxy color 64.2995, 0.2743, 0.4346.

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

64.2995, 0.2743, 0.4346

Protanopia

63.0656, 0.3699, 0.3983

Deuteranopia

62.9758, 0.3723, 0.3650



Tritanopia

64.3146, 0.2425, 0.3067

Trichromacy



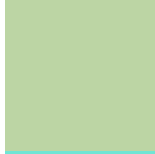
Original Color

64.2995, 0.2743, 0.4346



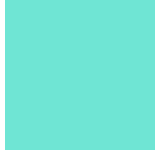
Protanomaly

61.7243, 0.3271, 0.4139



Deuteranomaly

60.9602, 0.3276, 0.3898



Tritanomaly

64.1716, 0.2541, 0.3509

Monochromacy



Original Color

64.2995, 0.2743, 0.4346



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.3863, 0.2933, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2995, 0.2743, 0.4346 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(94, 235, 159)` looks like.

```
.text, #text, p{  
  color:rgb(94, 235, 159)  
}
```

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(94, 235, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 235, 159) }
```

Border

The CSS property to change the border of an element to Yxy 64.2995, 0.2743, 0.4346 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(94, 235, 159) }
```

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

```
.border{ border-color:rgb(94, 235, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 235, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 235, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 235, 159);  
box-shadow:4px 4px 4px 4px rgb(94, 235,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2995, 0.2743, 0.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 235, 159) }
```

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

```
.background{ background-color: rgb(94, 235,  
159) }
```

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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