

Converting Colors

$Y_{xy}(65.6385, 0.2770, 0.4437)$

Have a look what the booklet for
Yxy(65.6385, 0.2770, 0.4437)
contains.

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Color

Yxy(65.8953, 0.2767, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	5EEE9B
RGB	94, 238, 155
RGB Percent	37%, 93%, 61%
CMY	0.6312, 0.0667, 0.3921
CMYK	0.60, 0.00, 0.35, 0.07
HSL	145°, 81%, 65%
HSV	145°, 60%, 93%
XYZ	41.1121, 65.8953, 41.5727
YIQ	185.4820, -59.1810, -56.3410

Conversions

Conversions Part 2

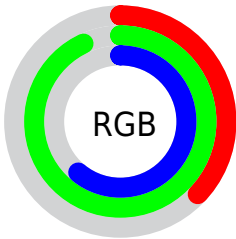
Format	Color
RYB	94, 195, 238
Decimal	6221467
CIELab	84.94, -56.96, 28.95
CIELCh	85, 63.897, 153.062
Yxy	65.8953, 0.2767, 0.4435
Android (android.graphics.Color)	4284411547 (0xFF5EEE9B)
YUV	185.4820, -15.0276, -80.2297
Hunter-Lab	81.1759, -51.6552, 26.4589

Details

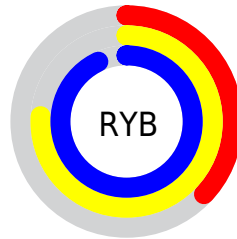
The Yxy color **65.8953, 0.2767, 0.4435** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **29.3663, 0.3890, 0.2420**, and the grayscale version is **48.9178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2411, 0.2801, 0.3816**, and **34.0270, 0.2657, 0.4766** is the 20% darker color. If you saturate the color by 10%, you get **64.3919, 0.2748, 0.4663**, and if you desaturate by 10%, it is **67.8442, 0.2803, 0.4210**.

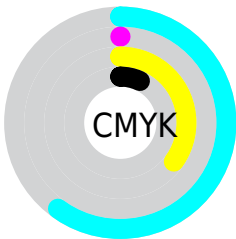
Distribution



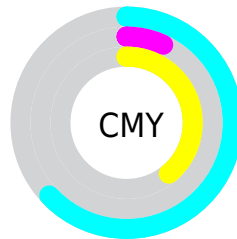
- Red (37%)
- Green (93%)
- Blue (61%)



- Red (37%)
- Yellow (76%)
- Blue (93%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (7%)





- Cyan (63%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8953, 0.2767, 0.4435 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 65.8953, 0.2767, 0.4435 by changing the saturation by 10% instead.


 65.8953, 0.2767,
0.4435

 65.8953, 0.2767,
0.4435


446.0023, 0.2956,
0.3857

 48.1874, 0.2717,
0.4579


 113.3360, 0.2838,
0.4225


 33.9753, 0.2653,
0.4764


 143.8377, 0.2864,
0.4146

 22.8746, 0.2565,
0.5009


 179.3727, 0.2885,
0.4079

 14.5010, 0.2441,
0.5346

 220.3255, 0.2904,
0.4022

 8.4699, 0.2252,
0.5834

267.0805, 0.2920,
0.3972

 4.3971, 0.1944,
0.6584

320.0220, 0.2934,

 1.8981, 0.0874,

0.3929

0.9126

379.5345, 0.2946,
0.3891

0.5472, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.8953, 0.2767,
0.4435

65.8953, 0.2767,
0.4435

64.3919, 0.2748,
0.4663

67.8442, 0.2803,
0.4210

63.2873, 0.2748,
0.4887


70.2646, 0.2852,
0.3996

62.5383, 0.2768,
0.5099

73.1896, 0.2912,
0.3795

62.0842, 0.2801,
0.5283

76.6471, 0.2980,
0.3611

 80.6628, 0.3051,
0.3445

 85.2608, 0.3124,
0.3297

 89.3767, 0.3159,
0.3164

 89.6283, 0.3135,
0.3127

Harmonies

Analogous

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



65.8953, 0.3521, 0.4759



65.8953, 0.2767, 0.4435



65.8953, 0.2152, 0.3643

Triad

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



65.8953, 0.2767, 0.4435



65.8953, 0.2048, 0.2104



65.8953, 0.4637, 0.3444

Complementary

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



65.8953, 0.2767, 0.4435



29.3663, 0.3890, 0.2420

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.



65.8953, 0.4143, 0.2891



65.8953, 0.2767, 0.4435



65.8953, 0.2585, 0.2159

Square

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



65.8953, 0.2767, 0.4435



65.8953, 0.1790, 0.2315



65.8953, 0.3351, 0.2438



65.8953, 0.4641, 0.4025

Rectangle

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



65.8953, 0.2767, 0.4435



65.8953, 0.1895, 0.3082



65.8953, 0.3351, 0.2438



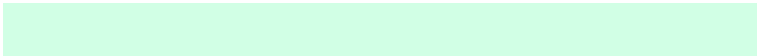
65.8953, 0.4523, 0.3254

Sweetspot

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



65.8980, 0.2767, 0.4435



90.7215, 0.2996, 0.3569



71.4246, 0.3537, 0.4957



19.1413, 0.2976, 0.3620



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.



65.8980, 0.2767, 0.4435



74.9084, 0.2746, 0.4726



69.0217, 0.2438, 0.3440



17.7675, 0.3058, 0.3429



34.6618, 0.2793, 0.5254



2.9030, 0.2721, 0.4994

Inverse Universe

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



29.3663, 0.3890, 0.2420



28.6383, 0.4136, 0.2313



27.2327, 0.4880, 0.3174



15.9116, 0.3203, 0.3155



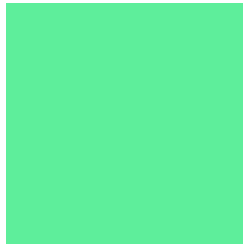
11.1780, 0.4637, 0.2328



0.9498, 0.4397, 0.2196

Previews

White Background



This preview shows how the Yxy color 65.8953, 0.2767, 0.4435 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 65.8953, 0.2767, 0.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

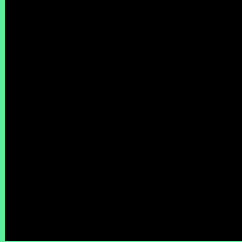
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8953, 0.2767, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 65.8953, 0.2767, 0.4435.

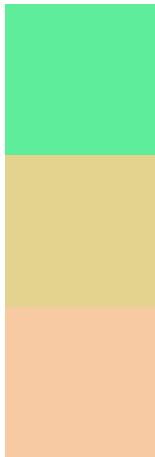


This preview shows how white text looks on a background with the Yxy color 65.8953, 0.2767, 0.4435.

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

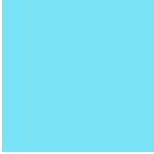
65.8953, 0.2767, 0.4435

Protanopia

64.5703, 0.3753, 0.4039

Deuteranopia

64.6596, 0.3790, 0.3708



Tritanopia

65.6683, 0.2429, 0.3069

Trichromacy



Original Color

65.8953, 0.2767, 0.4435



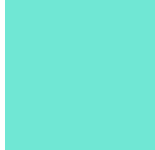
Protanomaly

62.8767, 0.3309, 0.4207



Deuteranomaly

62.2153, 0.3323, 0.3966



Tritanomaly

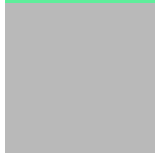
65.3500, 0.2549, 0.3534

Monochromacy



Original Color

65.8953, 0.2767, 0.4435



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.9171, 0.2947, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8953, 0.2767, 0.4435 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, 238, 155)` looks like.

```
.text, #text, p{  
    color:rgb(94, 238, 155)  
}
```

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, 238, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 238, 155) }
```

Border

The CSS property to change the border of an element to Yxy 65.8953, 0.2767, 0.4435 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, 238, 155) }
```

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

```
.border{ border-color:rgb(94, 238, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 238, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 238, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 238, 155);  
box-shadow:4px 4px 4px 4px rgb(94, 238,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8953, 0.2767, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 238, 155) }
```

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

```
.background{ background-color: rgb(94, 238,  
155) }
```

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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