

Converting Colors

Yxy(64.5989, 0.2896, 0.4817)

Have a look what the booklet for
Yxy(64.5989, 0.2896, 0.4817)
contains.

Yxy(64.4804, 0.2897, 0.4823)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4804, 0.2897, 0.4823)

Conversions

Conversions Part 1

Format	Color
Hex	5EED7F
RGB	94, 237, 127
RGB Percent	37%, 93%, 50%
CMY	0.6314, 0.0706, 0.5020
CMYK	0.60, 0.00, 0.46, 0.07
HSL	134°, 80%, 65%
HSV	134°, 60%, 93%
XYZ	38.7310, 64.4804, 30.4821
YIQ	181.7030, -49.9180, -64.5260

Conversions

Conversions Part 2

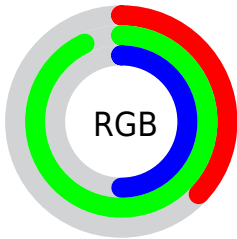
Format	Color
RYB	94, 210, 237
Decimal	6221183
CIELab	84.22, -61.27, 41.95
CIElCh	84, 74.257, 145.603
Yxy	64.4804, 0.2897, 0.4823
Android (android.graphics.Color)	4284411263 (0xFF5EED7F)
YUV	181.7030, -26.9686, -76.9155
Hunter-Lab	80.2997, -54.4284, 33.7030

Details

The Yxy color **64.4804, 0.2897, 0.4823** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **30.3713, 0.3545, 0.2161**, and the grayscale version is **46.7804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9241, 0.2946, 0.4175**, and **33.1505, 0.2798, 0.5273** is the 20% darker color. If you saturate the color by 10%, you get **62.9834, 0.2887, 0.5110**, and if you desaturate by 10%, it is **66.4532, 0.2920, 0.4528**.

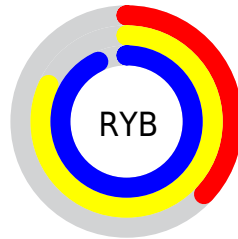
Distribution



Red (37%)

Green (93%)

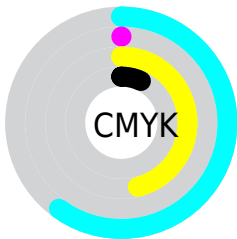
Blue (50%)



Red (37%)

Yellow (82%)

Blue (93%)

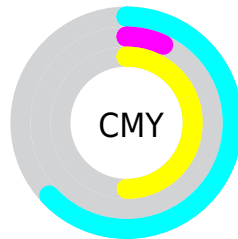


Cyan (60%)

Magenta (0%)

Yellow (46%)

Black (7%)



Cyan (63%)


Magenta (7%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4804, 0.2897, 0.4823 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 64.4804, 0.2897, 0.4823 by changing the saturation by 10% instead.

 64.4804, 0.2897,
0.4823

 64.4804, 0.2897,
0.4823


440.9224, 0.3042,
0.4040


 47.0399, 0.2852,
0.5019

 111.3025, 0.2956,
0.4537

 33.0672, 0.2790,
0.5270


 141.4529, 0.2977,
0.4430

 22.1779, 0.2700,
0.5599

 176.6086, 0.2993,
0.4340

 13.9877, 0.2562,
0.6045

 217.1542, 0.3006,
0.4262

 8.1121, 0.2336,
0.6670

263.4740, 0.3018,
0.4195

 4.1668, 0.2044,
0.7956

315.9523, 0.3027,

 1.7673, 0.0000,

0.4137

1.0000

374.9737, 0.3035,
0.4086

0.4667, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.4804, 0.2897,
0.4823

64.4804, 0.2897,
0.4823

62.9834, 0.2887,
0.5110

66.4532, 0.2920,
0.4528

61.9132, 0.2891,
0.5374


68.9301, 0.2952,
0.4240


61.2238, 0.2909,
0.5598


71.9463, 0.2991,
0.3968


60.8437, 0.2935,
0.5767

75.5315, 0.3035,
0.3719

 79.7135, 0.3080,
0.3495

 84.5179, 0.3126,
0.3296

 89.0266, 0.3138,
0.3120

 89.0509, 0.3135,
0.3117

Harmonies

Analogous

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



64.4804, 0.3762, 0.4990



64.4804, 0.2897, 0.4823



64.4804, 0.2141, 0.3960

Triad

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



64.4804, 0.2897, 0.4823



64.4804, 0.1795, 0.1966



64.4804, 0.4798, 0.3276

Complementary

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



64.4804, 0.2897, 0.4823



30.3713, 0.3545, 0.2161

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.



64.4804, 0.4098, 0.2683



64.4804, 0.2897, 0.4823



64.4804, 0.2316, 0.1966

Square

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



64.4804, 0.2897, 0.4823



64.4804, 0.1588, 0.2270



64.4804, 0.3141, 0.2220



64.4804, 0.4926, 0.3925

Rectangle

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



64.4804, 0.2897, 0.4823



64.4804, 0.1802, 0.3264



64.4804, 0.3141, 0.2220



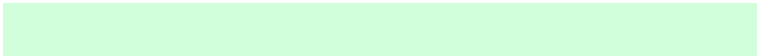
64.4804, 0.4619, 0.3069

Sweetspot

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



64.4831, 0.2897, 0.4823



90.2408, 0.3045, 0.3666



74.5039, 0.3746, 0.4832



19.0253, 0.3032, 0.3735



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.



64.4831, 0.2897, 0.4823



74.0843, 0.2887, 0.5164



66.9585, 0.2568, 0.3827



16.9191, 0.3084, 0.3476



33.2337, 0.2928, 0.5743



2.6241, 0.2857, 0.5484

Inverse Universe

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



30.3713, 0.3545, 0.2161



30.6032, 0.3656, 0.2016



27.7471, 0.4468, 0.2865



15.2508, 0.3173, 0.3111



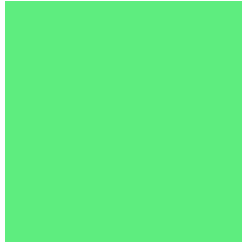
11.7019, 0.3894, 0.1919



0.9333, 0.3779, 0.1856

Previews

White Background



This preview shows how the Yxy color 64.4804, 0.2897, 0.4823 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 64.4804, 0.2897, 0.4823 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

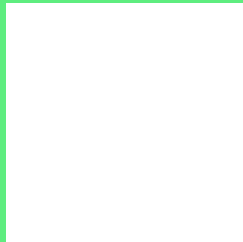
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4804, 0.2897, 0.4823

Background



This preview shows how black text looks on a background with the Yxy color 64.4804, 0.2897, 0.4823.



This preview shows how white text looks on a background with the Yxy color 64.4804, 0.2897, 0.4823.

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

64.4804, 0.2897, 0.4823

Protanopia

63.0541, 0.3949, 0.4287

Deuteranopia

62.9484, 0.4036, 0.3952



Tritanopia

64.1577, 0.2452, 0.3068

Trichromacy



Original Color

64.4804, 0.2897, 0.4823



Protanomaly

61.7468, 0.3479, 0.4512



Deuteranomaly

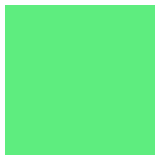
60.6194, 0.3525, 0.4272



Tritanomaly

63.7862, 0.2612, 0.3671

Monochromacy



Original Color

64.4804, 0.2897, 0.4823



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.3337, 0.3012, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4804, 0.2897, 0.4823 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, 237, 127)` looks like.

```
.text, #text, p{  
    color:rgb(94, 237, 127)  
}
```

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, 237, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 237, 127) }
```

Border

The CSS property to change the border of an element to Yxy 64.4804, 0.2897, 0.4823 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, 237, 127) }
```

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

```
.border{ border-color:rgb(94, 237, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 237, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 237, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 237, 127);  
box-shadow:4px 4px 4px 4px rgb(94, 237,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4804, 0.2897, 0.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 237, 127) }
```

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

```
.background{ background-color: rgb(94, 237,  
127) }
```

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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