

Converting Colors

Yxy(70.8469, 0.2898, 0.4969)

Have a look what the booklet for
Yxy(70.8469, 0.2898, 0.4969)
contains.

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Color

Yxy(70.6647, 0.2895, 0.4961)

Conversions

Conversions Part 1

Format	Color
Hex	58F87C
RGB	88, 248, 124
RGB Percent	35%, 97%, 49%
CMY	0.6546, 0.0275, 0.5137
CMYK	0.64, 0.00, 0.50, 0.03
HSL	133°, 92%, 66%
HSV	133°, 64%, 97%
XYZ	41.2365, 70.6647, 30.5392
YIQ	186.0240, -55.5560, -72.4840

Conversions

Conversions Part 2

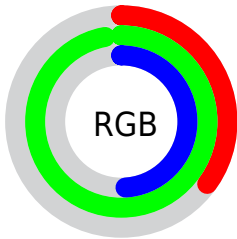
Format	Color
R_{YB}	88, 219, 248
Decimal	5830780
CIE Lab	87.32, -66.84, 47.22
CIE LCh	87, 81.837, 144.756
Yxy	70.6647, 0.2895, 0.4961
Android (android.graphics.Color)	4284020860 (0xFF58F87C)
YUV	186.0240, -30.5778, -85.9670
Hunter-Lab	84.0623, -59.5464, 37.3040

Details

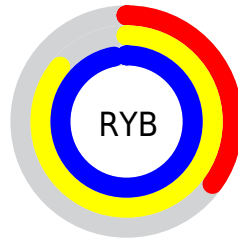
The Yxy color **70.6647, 0.2895, 0.4961** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **31.7063, 0.3573, 0.2094**, and the grayscale version is **49.3297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5470, 0.2940, 0.4204**, and **37.2948, 0.2831, 0.5391** is the 20% darker color. If you saturate the color by 10%, you get **69.2149, 0.2891, 0.5242**, and if you desaturate by 10%, it is **72.6268, 0.2912, 0.4665**.

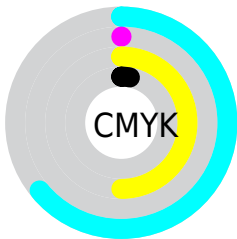
Distribution



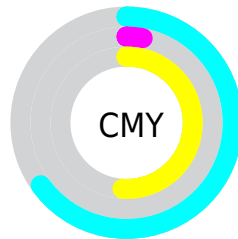
- Red (35%)
- Green (97%)
- Blue (49%)



- Red (35%)
- Yellow (86%)
- Blue (97%)



- Cyan (64%)
- Magenta (0%)
- Yellow (50%)
- Black (3%)




- Cyan (65%)
- Magenta (3%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6647, 0.2895, 0.4961 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 70.6647, 0.2895, 0.4961 by changing the saturation by 10% instead.


 70.6647, 0.2895,
0.4961

 70.6647, 0.2895,
0.4961


462.8805, 0.3046,
0.4118

 52.0686, 0.2848,
0.5168


 120.1562, 0.2957,
0.4656


 37.0598, 0.2782,
0.5429


 151.8204, 0.2979,
0.4541

 25.2538, 0.2688,
0.5768


 188.6094, 0.2996,
0.4444

 16.2662, 0.2545,
0.6218

 230.9076, 0.3010,
0.4360

 9.7127, 0.2315,
0.6829

279.0994, 0.3021,
0.4287

 5.2089, 0.2010,
0.7990

333.5692, 0.3031,

 2.3704, 0.0746,

0.4224

0.9254

394.7014, 0.3039,
0.4168

0.8106, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.6647, 0.2895,
0.4961

70.6647, 0.2895,
0.4961

69.2149, 0.2891,
0.5242

72.6268, 0.2912,
0.4665

68.2193, 0.2901,
0.5491


75.1349, 0.2941,
0.4370

67.6213, 0.2924,
0.5693


78.2303, 0.2977,
0.4087

67.4159, 0.2939,
0.5782

81.9474, 0.3018,
0.3825

 86.3181, 0.3062,
0.3588

 91.3722, 0.3107,
0.3376

 95.6131, 0.3130,
0.3223

Harmonies

Analogous

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



70.6647, 0.3808, 0.5094



70.6647, 0.2895, 0.4961



70.6647, 0.2094, 0.4039

Triad

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



70.6647, 0.2895, 0.4961



70.6647, 0.1713, 0.1896



70.6647, 0.4897, 0.3243

Complementary

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



70.6647, 0.2895, 0.4961



31.7063, 0.3573, 0.2094

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.



70.6647, 0.4135, 0.2628



70.6647, 0.2895, 0.4961



70.6647, 0.2246, 0.1892

Square

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



70.6647, 0.2895, 0.4961



70.6647, 0.1505, 0.2217



70.6647, 0.3109, 0.2150



70.6647, 0.5040, 0.3919

Rectangle

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



70.6647, 0.2895, 0.4961



70.6647, 0.1735, 0.3283



70.6647, 0.3109, 0.2150



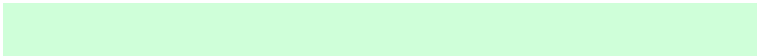
70.6647, 0.4702, 0.3028

Sweetspot

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



70.6676, 0.2895, 0.4961



89.7532, 0.3042, 0.3692



82.0376, 0.3772, 0.4922



18.9297, 0.3030, 0.3761



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.



70.6676, 0.2895, 0.4961



73.4138, 0.2892, 0.5311



73.5089, 0.2547, 0.3873



19.3731, 0.3085, 0.3479



36.4363, 0.2933, 0.5758



3.3899, 0.2873, 0.5543

Inverse Universe

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



31.7063, 0.3573, 0.2094



29.0493, 0.3688, 0.1965



28.6538, 0.4622, 0.2850



17.4539, 0.3172, 0.3108



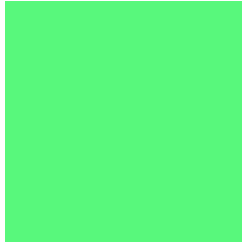
12.8652, 0.3875, 0.1908



1.2073, 0.3779, 0.1855

Previews

White Background



This preview shows how the Yxy color 70.6647, 0.2895, 0.4961 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 70.6647, 0.2895, 0.4961 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

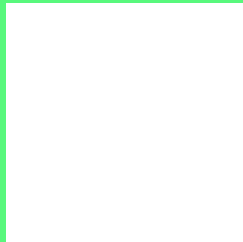
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6647, 0.2895, 0.4961

Background



This preview shows how black text looks on a background with the Yxy color 70.6647, 0.2895, 0.4961.



This preview shows how white text looks on a background with the Yxy color 70.6647, 0.2895, 0.4961.

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

70.6647, 0.2895, 0.4961

Protanopia

69.1687, 0.4007, 0.4372

Deuteranopia

69.1608, 0.3904, 0.3869



Tritanopia

70.3731, 0.2427, 0.3064

Trichromacy



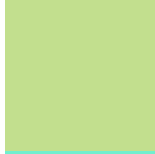
Original Color

70.6647, 0.2895, 0.4961



Protanomaly

66.9615, 0.3504, 0.4626



Deuteranomaly

66.1977, 0.3447, 0.4264



Tritanomaly

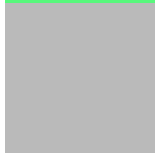
69.6340, 0.2596, 0.3712

Monochromacy



Original Color

70.6647, 0.2895, 0.4961



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.7293, 0.3005, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6647, 0.2895, 0.4961 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(88, 248, 124)` looks like.

```
.text, #text, p{  
    color:rgb(88, 248, 124)  
}
```

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(88, 248, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 248, 124) }
```

Border

The CSS property to change the border of an element to Yxy 70.6647, 0.2895, 0.4961 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(88, 248, 124) }
```

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

```
.border{ border-color:rgb(88, 248, 124) }
```

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

Here you see how a box with a 4 pixel rgb(88, 248, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 248, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 248, 124);  
box-shadow:4px 4px 4px 4px rgb(88, 248,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6647, 0.2895, 0.4961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 248, 124) }
```

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

```
.background{ background-color: rgb(88, 248,  
124) }
```

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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