

Converting Colors

Yxy(69.7495, 0.3118, 0.4853)

Have a look what the booklet for
Yxy(69.7495, 0.3118, 0.4853)
contains.

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Color

Yxy(69.8713, 0.3117, 0.4854)

Conversions

Conversions Part 1

Format	Color
Hex	85F279
RGB	133, 242, 121
RGB Percent	52%, 95%, 47%
CMY	0.4787, 0.0509, 0.5255
CMYK	0.45, 0.00, 0.50, 0.05
HSL	114°, 82%, 71%
HSV	114°, 50%, 95%
XYZ	44.8679, 69.8713, 29.2066
YIQ	195.6150, -26.1230, -60.7390

Conversions

Conversions Part 2

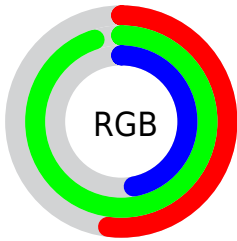
Format	Color
RYB	121, 242, 230
Decimal	8778361
CIELab	86.93, -54.36, 48.49
CIELCh	87, 72.845, 138.270
Yxy	69.8713, 0.3117, 0.4854
Android (android.graphics.Color)	4286968441 (0xFF85F279)
YUV	195.6150, -36.7852, -54.9134
Hunter-Lab	83.5891, -50.4678, 37.7960

Details

The Yxy color **69.8713, 0.3117, 0.4854** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.9183, 0.3073, 0.2044**, and the grayscale version is **55.1872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6915, 0.3180, 0.4193**, and **36.5441, 0.3056, 0.5275** is the 20% darker color. If you saturate the color by 10%, you get **67.7593, 0.3103, 0.5195**, and if you desaturate by 10%, it is **72.5066, 0.3126, 0.4502**.

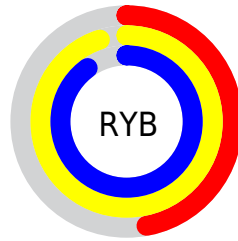
Distribution



Red (52%)

Green (95%)

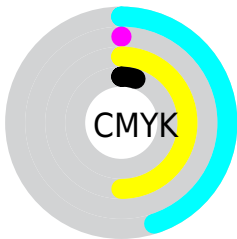
Blue (47%)



Red (47%)

Yellow (95%)

Blue (90%)

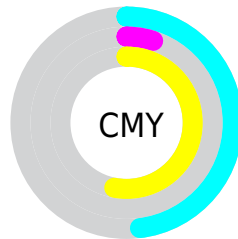


Cyan (45%)

Magenta (0%)

Yellow (50%)

Black (5%)



Cyan (48%)


Magenta (5%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8713, 0.3117, 0.4854 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 69.8713, 0.3117, 0.4854 by changing the saturation by 10% instead.

 69.8713, 0.3117,
0.4854


 69.8713, 0.3117,
0.4854


460.0980, 0.3161,
0.4074


 51.4216, 0.3095,
0.5043


 119.0252, 0.3142,
0.4574

 36.5443, 0.3060,
0.5281


 150.4982, 0.3149,
0.4467

 24.8548, 0.3004,
0.5586


 187.0811, 0.3153,
0.4377

 15.9689, 0.2909,
0.5987

229.1583, 0.3156,
0.4299

 9.5022, 0.2742,
0.6526

277.1142, 0.3158,
0.4232

 5.0702, 0.2508,
0.7492


331.3332, 0.3160,

 2.2885, 0.1658,

0.4173


0.8342


392.1997, 0.3161,
0.4120


 0.7676, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 69.8713, 0.3117,
0.4854


 69.8713, 0.3117,
0.4854


 67.7593, 0.3103,
0.5195


 72.5066, 0.3126,
0.4502


 66.1275, 0.3084,
0.5499


 75.6877, 0.3131,
0.4158

 64.9403, 0.3062,
0.5740

 79.4461, 0.3132,
0.3838

 64.1530, 0.3039,
0.5902

 83.8087, 0.3131,
0.3548

 63.7055, 0.3019,
0.5985

 88.8004, 0.3127,
0.3290

 91.9927, 0.3133,
0.3166

Harmonies

Analogous

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



69.8713, 0.3940, 0.4858



69.8713, 0.3117, 0.4854



69.8713, 0.2341, 0.4166

Triad

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



69.8713, 0.3117, 0.4854



69.8713, 0.1767, 0.2058



69.8713, 0.4604, 0.3137

Complementary

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



69.8713, 0.3117, 0.4854



36.9183, 0.3073, 0.2044

Split Complementary

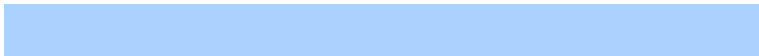
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.8713, 0.3840, 0.2583



69.8713, 0.3117, 0.4854



69.8713, 0.2198, 0.1989

Square

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



69.8713, 0.3117, 0.4854



69.8713, 0.1639, 0.2440



69.8713, 0.2928, 0.2178



69.8713, 0.4876, 0.3758

Rectangle

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



69.8713, 0.3117, 0.4854



69.8713, 0.1958, 0.3507



69.8713, 0.2928, 0.2178



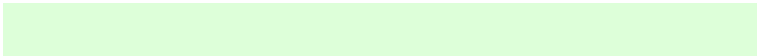
69.8713, 0.4391, 0.2941

Sweetspot

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



69.8743, 0.3117, 0.4854



91.8145, 0.3132, 0.3690



76.8045, 0.3918, 0.4402



19.4333, 0.3132, 0.3752



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.



69.8743, 0.3117, 0.4854



76.2683, 0.3103, 0.5200



70.4566, 0.2819, 0.4240



17.7310, 0.3130, 0.3533



34.2448, 0.3023, 0.5981



2.8738, 0.3076, 0.5940

Inverse Universe

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



36.9183, 0.3073, 0.2044



35.2302, 0.3053, 0.1833



36.4294, 0.3675, 0.2519



15.9475, 0.3122, 0.3056



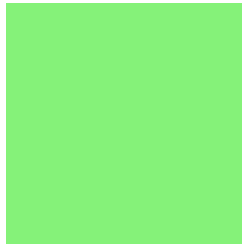
11.4946, 0.2962, 0.1405



0.9790, 0.2997, 0.1424

Previews

White Background



This preview shows how the Yxy color 69.8713, 0.3117, 0.4854 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 69.8713, 0.3117, 0.4854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

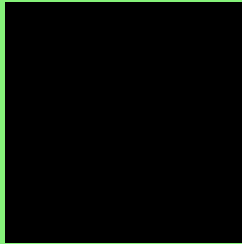
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

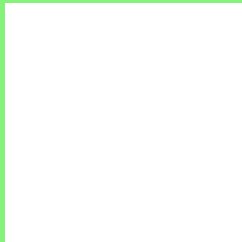
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8713, 0.3117, 0.4854

Background



This preview shows how black text looks on a background with the Yxy color 69.8713, 0.3117, 0.4854.

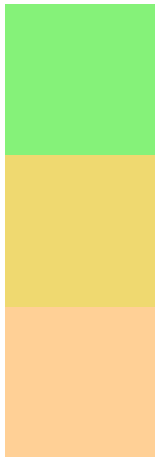


This preview shows how white text looks on a background with the Yxy color 69.8713, 0.3117, 0.4854.

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

69.8713, 0.3117, 0.4854

Protanopia

69.1463, 0.4013, 0.4381

Deuteranopia

68.5738, 0.3931, 0.3889



Tritanopia

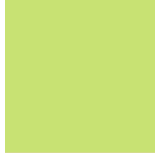
69.4713, 0.2590, 0.3068

Trichromacy



Original Color

69.8713, 0.3117, 0.4854



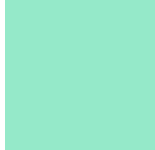
Protanomaly

67.9099, 0.3644, 0.4573



Deuteranomaly

66.8994, 0.3607, 0.4225



Tritanomaly

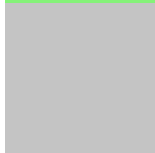
68.8844, 0.2788, 0.3688

Monochromacy



Original Color

69.8713, 0.3117, 0.4854



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

59.3373, 0.3130, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8713, 0.3117, 0.4854 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(133, 242, 121)` looks like.

```
.text, #text, p{  
    color:rgb(133, 242, 121)  
}
```

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(133, 242, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 242, 121) }
```

Border

The CSS property to change the border of an element to Yxy 69.8713, 0.3117, 0.4854 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(133, 242, 121) }
```

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

```
.border{ border-color:rgb(133, 242, 121) }
```

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

Here you see how a box with a 4 pixel rgb(133, 242, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 242, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 242, 121);  
box-shadow:4px 4px 4px 4px rgb(133, 242,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8713, 0.3117, 0.4854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 242, 121) }
```

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

```
.background{ background-color: rgb(133,  
242, 121) }
```

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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