

Converting Colors

$Yxy(67.6615, 0.2992, 0.4476)$

Have a look what the booklet for
Yxy(67.6615, 0.2992, 0.4476)
contains.

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Color

Yxy(67.6615, 0.2992, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	85ED93
RGB	133, 237, 147
RGB Percent	52%, 93%, 58%
CMY	0.4782, 0.0706, 0.4236
CMYK	0.44, 0.00, 0.38, 0.07
HSL	128°, 74%, 73%
HSV	128°, 44%, 93%
XYZ	45.2286, 67.6615, 38.2750
YIQ	195.6440, -33.0940, -50.0380

Conversions

Conversions Part 2

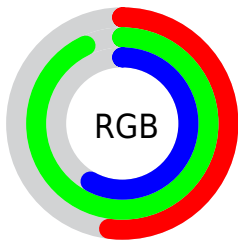
Format	Color
RYB	133, 225, 237
Decimal	8777107
CIELab	85.84, -48.60, 34.43
CIElCh	86, 59.557, 144.682
Yxy	67.6615, 0.2992, 0.4476
Android (android.graphics.Color)	4286967187 (0xFF85ED93)
YUV	195.6440, -23.9815, -54.9388
Hunter-Lab	82.2566, -45.8013, 29.9913

Details

The Yxy color **67.6615, 0.2992, 0.4476** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.1241, 0.3305, 0.2341**, and the grayscale version is **55.1464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7314, 0.3028, 0.3882**, and **34.9646, 0.2928, 0.4809** is the 20% darker color. If you saturate the color by 10%, you get **65.3594, 0.2969, 0.4800**, and if you desaturate by 10%, it is **70.5194, 0.3020, 0.4163**.

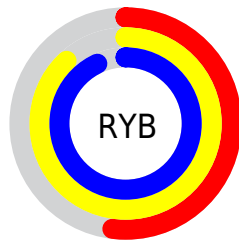
Distribution



Red (52%)

Green (93%)

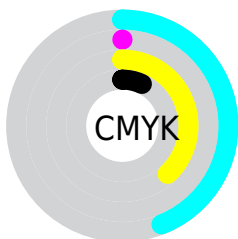
Blue (58%)



Red (52%)

Yellow (88%)

Blue (93%)

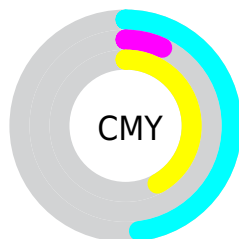


Cyan (44%)

Magenta (0%)

Yellow (38%)

Black (7%)



Cyan (48%)


Magenta (7%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6615, 0.2992, 0.4476 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 67.6615, 0.2992, 0.4476 by changing the saturation by 10% instead.


 67.6615, 0.2992,
0.4476

 67.6615, 0.2992,
0.4476

452.2958, 0.3077,
0.3883

 49.6224, 0.2966,
0.4622


 115.8678, 0.3027,
0.4261

 35.1135, 0.2930,
0.4808


 146.8037, 0.3039,
0.4180

 23.7503, 0.2877,
0.5052


 182.8074, 0.3048,
0.4112

 15.1485, 0.2797,
0.5383


224.2632, 0.3056,
0.4053

 8.9237, 0.2666,
0.5853

271.5556, 0.3063,
0.4002

 4.6914, 0.2436,
0.6573

325.0689, 0.3068,

 2.0674, 0.1885,

0.3957

0.8115

385.1875, 0.3073,
0.3918

0.6462, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.6615, 0.2992,
0.4476

67.6615, 0.2992,
0.4476

65.3594, 0.2969,
0.4800

70.5194, 0.3020,
0.4163

63.5688, 0.2954,
0.5118


73.9571, 0.3051,
0.3871


62.2526, 0.2948,
0.5409

78.0074, 0.3083,
0.3607

61.3647, 0.2952,
0.5653

82.6983, 0.3115,
0.3373

 60.8499, 0.2965,
0.5833

 88.0559, 0.3146,
0.3167

 60.6704, 0.2975,
0.5910

 89.0473, 0.3135,
0.3117

Harmonies

Analogous

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



67.6615, 0.3697, 0.4633



67.6615, 0.2992, 0.4476



67.6615, 0.2361, 0.3840

Triad

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



67.6615, 0.2992, 0.4476



67.6615, 0.2024, 0.2212



67.6615, 0.4438, 0.3294

Complementary

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



67.6615, 0.2992, 0.4476



40.1241, 0.3305, 0.2341

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.



67.6615, 0.3878, 0.2790



67.6615, 0.2992, 0.4476



67.6615, 0.2460, 0.2193

Square

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



67.6615, 0.2992, 0.4476



67.6615, 0.1855, 0.2494



67.6615, 0.3127, 0.2401



67.6615, 0.4578, 0.3840

Rectangle

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



67.6615, 0.2992, 0.4476



67.6615, 0.2065, 0.3314



67.6615, 0.3127, 0.2401



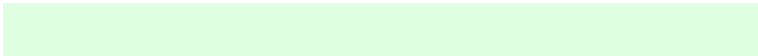
67.6615, 0.4290, 0.3118

Sweetspot

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



67.6643, 0.2992, 0.4476



92.5331, 0.3086, 0.3587



77.9722, 0.3676, 0.4410



19.5624, 0.3079, 0.3642



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.



67.6643, 0.2992, 0.4476



77.3366, 0.2970, 0.4779



69.6762, 0.2721, 0.3772



16.8950, 0.3097, 0.3500



33.1352, 0.2970, 0.5893



2.6124, 0.2914, 0.5691

Inverse Universe

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



40.1241, 0.3305, 0.2341



40.7641, 0.3353, 0.2162



37.7398, 0.3850, 0.2867



15.2770, 0.3158, 0.3088



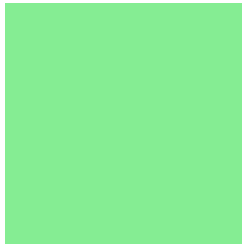
12.2563, 0.3579, 0.1745



0.9721, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 67.6615, 0.2992, 0.4476 looks on a white background.

Color Contrast Check

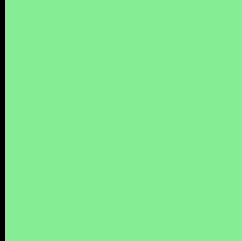
Large Text (above 18pt) WCAG AA × Fail

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 67.6615, 0.2992, 0.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

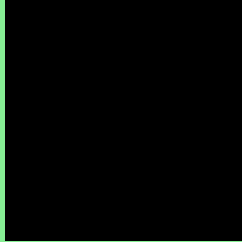
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6615, 0.2992, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 67.6615, 0.2992, 0.4476.

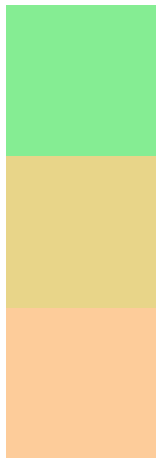


This preview shows how white text looks on a background with the Yxy color 67.6615, 0.2992, 0.4476.

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

67.6615, 0.2992, 0.4476

Protanopia

66.5504, 0.3816, 0.4123

Deuteranopia

66.4015, 0.3901, 0.3813



Tritanopia

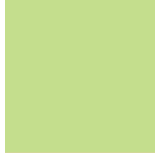
67.1915, 0.2584, 0.3076

Trichromacy



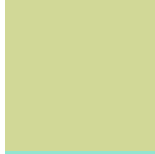
Original Color

67.6615, 0.2992, 0.4476



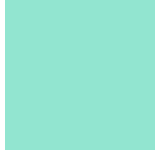
Protanomaly

65.9014, 0.3471, 0.4260



Deuteranomaly

64.9014, 0.3524, 0.4052



Tritanomaly

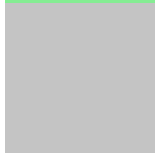
66.7037, 0.2729, 0.3552

Monochromacy



Original Color

67.6615, 0.2992, 0.4476



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.6871, 0.3071, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6615, 0.2992, 0.4476 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, 237, 147)` looks like.

```
.text, #text, p{  
    color:rgb(133, 237, 147)  
}
```

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, 237, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 237, 147) }
```

Border

The CSS property to change the border of an element to Yxy 67.6615, 0.2992, 0.4476 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, 237, 147) }
```

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

```
.border{ border-color:rgb(133, 237, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 237, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 237, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 237, 147);  
box-shadow:4px 4px 4px 4px rgb(133, 237,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6615, 0.2992, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 237, 147) }
```

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

```
.background{ background-color: rgb(133,  
237, 147) }
```

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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