

Converting Colors

$Yxy(65.8281, 0.3339, 0.4867)$

Have a look what the booklet for
Yxy(65.8281, 0.3339, 0.4867)
contains.

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Color

Yxy(65.8427, 0.3342, 0.4866)

Conversions

Conversions Part 1

Format	Color
Hex	9CE86B
RGB	156, 232, 107
RGB Percent	61%, 91%, 42%
CMY	0.3883, 0.0902, 0.5802
CMYK	0.33, 0.00, 0.54, 0.09
HSL	97°, 73%, 66%
HSV	97°, 54%, 91%
XYZ	45.2212, 65.8427, 24.2479
YIQ	195.0260, -5.1710, -54.9870

Conversions

Conversions Part 2

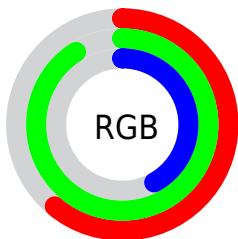
Format	Color
RYB	107, 232, 183
Decimal	10283115
CIELab	84.92, -44.65, 52.77
CIElCh	85, 69.121, 130.236
Yxy	65.8427, 0.3342, 0.4866
Android (android.graphics.Color)	4288473195 (0xFF9CE86B)
YUV	195.0260, -43.3968, -34.2258
Hunter-Lab	81.1435, -42.5233, 39.0830

Details

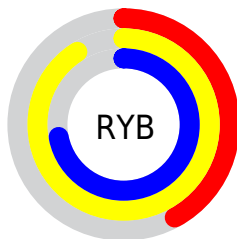
The Yxy color **65.8427, 0.3342, 0.4866** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.4271, 0.2712, 0.1820**, and the grayscale version is **54.8582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3894, 0.3404, 0.4303**, and **34.0263, 0.3330, 0.5284** is the 20% darker color. If you saturate the color by 10%, you get **64.0936, 0.3348, 0.5160**, and if you desaturate by 10%, it is **67.8921, 0.3320, 0.4554**.

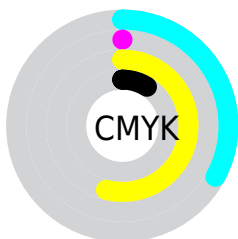
Distribution



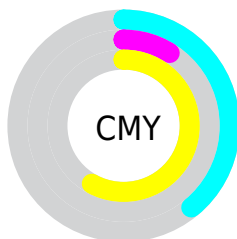
- Red (61%)
- Green (91%)
- Blue (42%)



- Red (42%)
- Yellow (91%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (54%)
- Black (9%)





- Cyan (39%)
- Magenta (9%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8427, 0.3342, 0.4866 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 65.8427, 0.3342, 0.4866 by changing the saturation by 10% instead.


 65.8427, 0.3342,
0.4866

 65.8427, 0.3342,
0.4866


445.8141, 0.3283,
0.4084

 48.1447, 0.3341,
0.5053

 113.2605, 0.3332,
0.4587


 33.9415, 0.3331,
0.5286


 143.7492, 0.3325,
0.4480

 22.8487, 0.3303,
0.5581


 179.2702, 0.3318,
0.4389

 14.4818, 0.3239,
0.5961

 220.2079, 0.3310,
0.4311

 8.4565, 0.3116,
0.6486

266.9468, 0.3303,
0.4243

 4.3884, 0.2836,
0.7164

319.8712, 0.3296,

 1.8931, 0.2021,

0.4184

0.7979

379.3655, 0.3290,
0.4131

0.5442, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.8427, 0.3342,
0.4866

65.8427, 0.3342,
0.4866

64.0936, 0.3348,
0.5160

67.8921, 0.3320,
0.4554

62.6200, 0.3335,
0.5417


70.2481, 0.3286,
0.4239

61.4064, 0.3304,
0.5621


72.9272, 0.3244,
0.3934

60.4314, 0.3256,
0.5763


75.9424, 0.3196,
0.3648

 59.9336, 0.3222,
0.5824

 79.3057, 0.3147,
0.3385

 83.0284, 0.3096,
0.3147

 86.1554, 0.3136,
0.3068

 86.1961, 0.3138,
0.3068

Harmonies

Analogous

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



65.8427, 0.4118, 0.4721



65.8427, 0.3342, 0.4866



65.8427, 0.2552, 0.4365

Triad

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



65.8427, 0.3342, 0.4866



65.8427, 0.1740, 0.2160



65.8427, 0.4395, 0.2991

Complementary

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



65.8427, 0.3342, 0.4866



26.4271, 0.2712, 0.1820

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.



65.8427, 0.3580, 0.2480



65.8427, 0.3342, 0.4866



65.8427, 0.2082, 0.2015

Square

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



65.8427, 0.3342, 0.4866



65.8427, 0.1695, 0.2628



65.8427, 0.2720, 0.2135



65.8427, 0.4808, 0.3588

Rectangle

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



65.8427, 0.3342, 0.4866



65.8427, 0.2126, 0.3760



65.8427, 0.2720, 0.2135



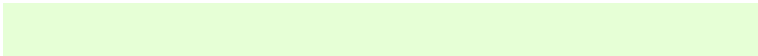
65.8427, 0.4152, 0.2807

Sweetspot

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



65.8455, 0.3342, 0.4866



93.2381, 0.3207, 0.3709



51.6843, 0.4198, 0.4119



19.7880, 0.3217, 0.3768



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.



65.8455, 0.3342, 0.4866



79.1321, 0.3347, 0.5201



62.1899, 0.2989, 0.4855



16.3630, 0.3175, 0.3529



33.3390, 0.3233, 0.5815



2.5161, 0.3348, 0.5724

Inverse Universe

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



26.4271, 0.2712, 0.1820



25.3641, 0.2592, 0.1533



32.8235, 0.3311, 0.2115



14.3188, 0.3075, 0.3054



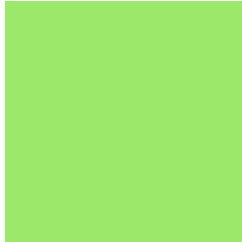
6.4596, 0.2252, 0.1014



0.5307, 0.2390, 0.1090

Previews

White Background



This preview shows how the Yxy color 65.8427, 0.3342, 0.4866 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 65.8427, 0.3342, 0.4866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

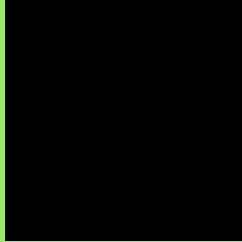
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8427, 0.3342, 0.4866

Background



This preview shows how black text looks on a background with the Yxy color 65.8427, 0.3342, 0.4866.



This preview shows how white text looks on a background with the Yxy color 65.8427, 0.3342, 0.4866.

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

65.8427, 0.3342, 0.4866

Protanopia

65.0011, 0.4077, 0.4452

Deuteranopia

64.9817, 0.4142, 0.4074



Tritanopia

65.4290, 0.2735, 0.3079

Trichromacy



Original Color

65.8427, 0.3342, 0.4866



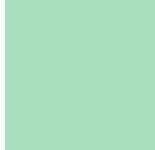
Protanomaly

64.7641, 0.3788, 0.4609



Deuteranomaly

63.9566, 0.3835, 0.4358



Tritanomaly

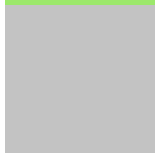
64.8845, 0.2972, 0.3713

Monochromacy



Original Color

65.8427, 0.3342, 0.4866



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.5799, 0.3236, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8427, 0.3342, 0.4866 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(156, 232, 107)` looks like.

```
.text, #text, p{  
    color:rgb(156, 232, 107)  
}
```

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(156, 232, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 232, 107) }
```

Border

The CSS property to change the border of an element to Yxy 65.8427, 0.3342, 0.4866 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(156, 232, 107) }
```

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

```
.border{ border-color:rgb(156, 232, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 232, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 232, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 232, 107); box-shadow:4px 4px 4px 4px rgb(156, 232, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8427, 0.3342, 0.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 232, 107) }
```

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

```
.background{ background-color: rgb(156,  
232, 107) }
```

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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