

Converting Colors

$Yxy(85.3767, 0.3263, 0.4113)$

Have a look what the booklet for
Yxy(85.3767, 0.3263, 0.4113)
contains.

Yxy(85.1478, 0.3263, 0.4109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.1478, 0.3263, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	CDFBB1
RGB	205, 251, 177
RGB Percent	80%, 98%, 69%
CMY	0.1959, 0.0157, 0.3059
CMYK	0.18, 0.00, 0.29, 0.02
HSL	97°, 90%, 84%
HSV	97°, 29%, 98%
XYZ	67.6168, 85.1478, 54.4581
YIQ	228.8100, -3.6620, -32.7660

Conversions

Conversions Part 2

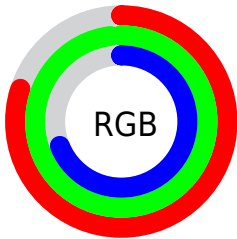
Format	Color
RYB	177, 251, 223
Decimal	13499313
CIELab	93.95, -27.56, 30.81
CIELCh	94, 41.335, 131.814
Yxy	85.1478, 0.3263, 0.4109
Android (android.graphics.Color)	4291689393 (0xFFCDFBB1)
YUV	228.8100, -25.5423, -20.8814
Hunter-Lab	92.2756, -30.6828, 29.6018

Details

The Yxy color **85.1478, 0.3263, 0.4109** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.0828, 0.2942, 0.2504**, and the grayscale version is **78.4074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **46.5228, 0.3281, 0.4299** is the 20% darker color. If you saturate the color by 10%, you get **82.1332, 0.3299, 0.4424**, and if you desaturate by 10%, it is **88.5747, 0.3220, 0.3809**.

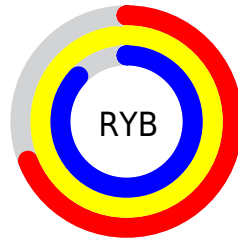
Distribution



Red (80%)

Green (98%)

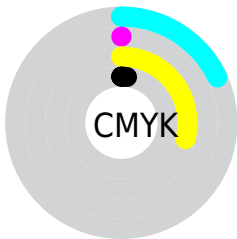
Blue (69%)



Red (69%)

Yellow (98%)

Blue (87%)

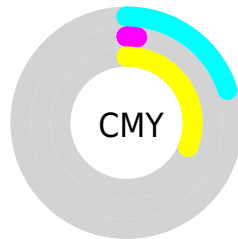


Cyan (18%)

Magenta (0%)

Yellow (29%)

Black (2%)



Cyan (20%)


Magenta (2%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1478, 0.3263, 0.4109 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 85.1478, 0.3263, 0.4109 by changing the saturation by 10% instead.


 85.1478, 0.3263,
0.4109

 85.1478, 0.3263,
0.4109

512.1170, 0.3212,
0.3725

 63.9635, 0.3272,
0.4197


 140.5797, 0.3248,
0.3975

 46.6211, 0.3281,
0.4306


175.5960, 0.3241,
0.3923

 32.7362, 0.3290,
0.4445


215.9918, 0.3235,
0.3879

 21.9245, 0.3297,
0.4625

262.1516, 0.3229,
0.3840

 13.8014, 0.3299,
0.4868

314.4595, 0.3224,
0.3806

 7.9827, 0.3285,
0.5212


373.3002, 0.3220,


 4.0839, 0.3232,

0.3776


0.5738


439.0579, 0.3216,
0.3749

 1.7206, 0.3160,
0.6840


 0.4369, 0.0000,
1.0000


 85.1478, 0.3263,
0.4109


 85.1478, 0.3263,
0.4109

 82.1332, 0.3299,
0.4424


 88.5747, 0.3220,
0.3809


 79.5032, 0.3325,
0.4742

 92.4183, 0.3173,
0.3531

 77.2438, 0.3336,
0.5049

 96.6968, 0.3125,
0.3278

 75.3355, 0.3330,
0.5326

 97.4728, 0.3129,
0.3252

■ 73.7568, 0.3305,
0.5556

■ 72.4829, 0.3263,
0.5725

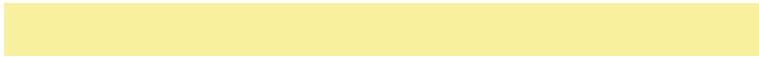
■ 71.4792, 0.3208,
0.5832

■ 71.4333, 0.3206,
0.5837

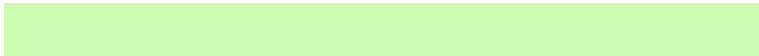
Harmonies

Analogous

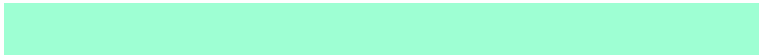
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1478, 0.3705, 0.4115



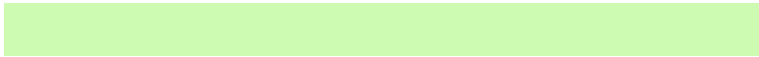
85.1478, 0.3263, 0.4109



85.1478, 0.2804, 0.3825

Triad

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



85.1478, 0.3263, 0.4109



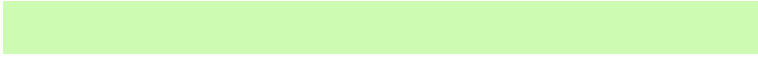
85.1478, 0.2308, 0.2638



85.1478, 0.3840, 0.3160

Complementary

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



85.1478, 0.3263, 0.4109



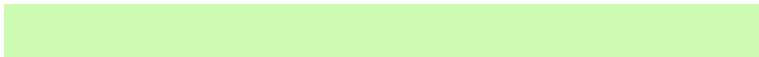
54.0828, 0.2942, 0.2504

Split Complementary

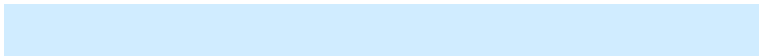
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1478, 0.3416, 0.2830



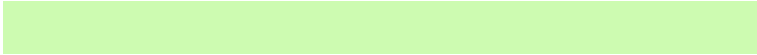
85.1478, 0.3263, 0.4109



85.1478, 0.2539, 0.2533

Square

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



85.1478, 0.3263, 0.4109



85.1478, 0.2276, 0.2930



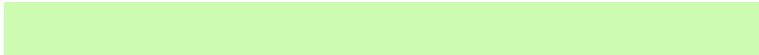
85.1478, 0.2935, 0.2606



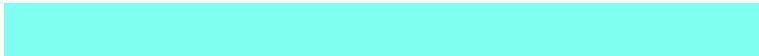
85.1478, 0.4060, 0.3536

Rectangle

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



85.1478, 0.3263, 0.4109



85.1478, 0.2551, 0.3528



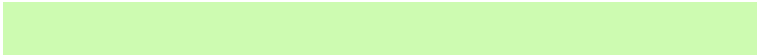
85.1478, 0.2935, 0.2606



85.1478, 0.3715, 0.3042

Sweetspot

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



85.1515, 0.3263, 0.4109



96.0057, 0.3171, 0.3518



76.2586, 0.3652, 0.3763



20.4184, 0.3178, 0.3557



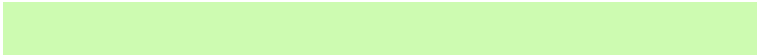
0.0000, 0.0000, 0.0000



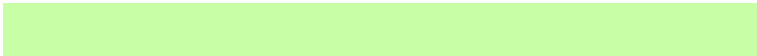
21.4041, 0.3127, 0.3290

Same Dimension

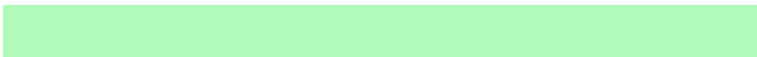
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1515, 0.3263, 0.4109



86.4857, 0.3284, 0.4282



81.8674, 0.3040, 0.4050



19.6298, 0.3173, 0.3531



37.6259, 0.3217, 0.5828



3.5434, 0.3309, 0.5755

Inverse Universe

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



54.0828, 0.2942, 0.2504



49.8004, 0.2898, 0.2346



58.3804, 0.3228, 0.2633



17.1768, 0.3077, 0.3052



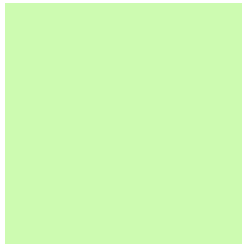
7.4550, 0.2277, 0.1028



0.7512, 0.2387, 0.1089

Previews

White Background



This preview shows how the Yxy color 85.1478, 0.3263, 0.4109 looks on a white background.

Color Contrast Check

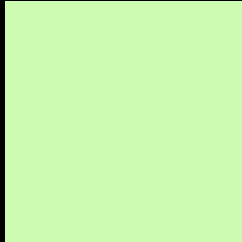
Large Text (above 18pt) WCAG AA × Fail

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 85.1478, 0.3263, 0.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

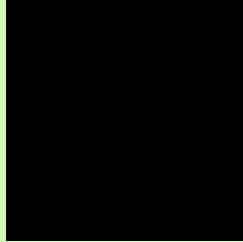
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

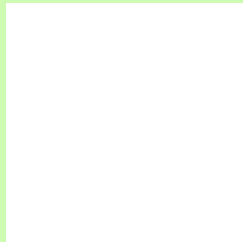
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1478, 0.3263, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 85.1478, 0.3263, 0.4109.

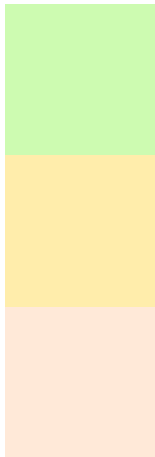


This preview shows how white text looks on a background with the Yxy color 85.1478, 0.3263, 0.4109.

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

85.1478, 0.3263, 0.4109

Protanopia

84.7686, 0.3679, 0.3954

Deuteranopia

84.4957, 0.3390, 0.3460



Tritanopia

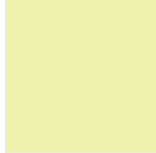
85.0698, 0.2925, 0.3136

Trichromacy



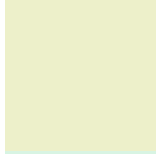
Original Color

85.1478, 0.3263, 0.4109



Protanomaly

84.5259, 0.3523, 0.4012



Deuteranomaly

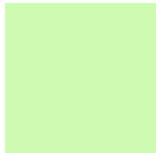
84.5890, 0.3344, 0.3686



Tritanomaly

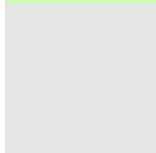
84.8463, 0.3048, 0.3470

Monochromacy



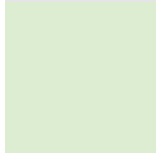
Original Color

85.1478, 0.3263, 0.4109



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.4372, 0.3180, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1478, 0.3263, 0.4109 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(205, 251, 177)` looks like.

```
.text, #text, p{  
    color:rgb(205, 251, 177)  
}
```

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(205, 251, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 251, 177) }
```

Border

The CSS property to change the border of an element to Yxy 85.1478, 0.3263, 0.4109 is called "border". The border property can be set on classes, ids or directly on the HTML element.

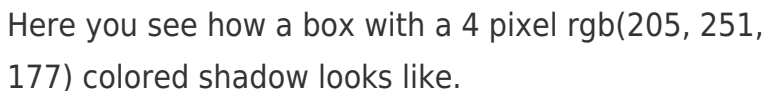
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 251, 177) }
```

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

```
.border{ border-color:rgb(205, 251, 177) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 251, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 251, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 251, 177);  
box-shadow:4px 4px 4px 4px rgb(205, 251,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1478, 0.3263, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 251, 177) }
```

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

```
.background{ background-color: rgb(205,  
251, 177) }
```

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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