

Converting Colors

Yxy(85.0952, 0.3166, 0.4224)

Have a look what the booklet for
Yxy(85.0952, 0.3166, 0.4224)
contains.

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Color

Yxy(85.1019, 0.3166, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFAD
RGB	187, 255, 173
RGB Percent	73%, 100%, 68%
CMY	0.2666, 0.0000, 0.3214
CMYK	0.27, 0.00, 0.32, 0.00
HSL	110°, 100%, 84%
HSV	110°, 32%, 100%
XYZ	63.8012, 85.1019, 52.6169
YIQ	225.3200, -14.2060, -39.9180

Conversions

Conversions Part 2

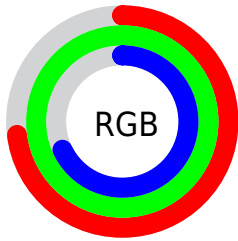
Format	Color
RYB	173, 255, 241
Decimal	12320685
CIELab	93.93, -36.03, 32.58
CIELCh	94, 48.579, 137.878
Yxy	85.1019, 0.3166, 0.4223
Android (android.graphics.Color)	4290510765 (0xFFBBFFAD)
YUV	225.3200, -25.7938, -33.6066
Hunter-Lab	92.2507, -37.9868, 30.7583

Details

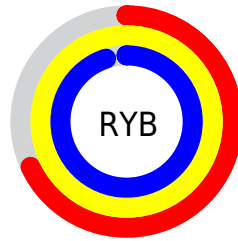
The Yxy color **85.1019, 0.3166, 0.4223** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.8270, 0.3054, 0.2461**, and the grayscale version is **75.7395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5896, 0.3215, 0.3547**, and **46.6498, 0.3159, 0.4452** is the 20% darker color. If you saturate the color by 10%, you get **81.7354, 0.3169, 0.4563**, and if you desaturate by 10%, it is **89.0559, 0.3157, 0.3901**.

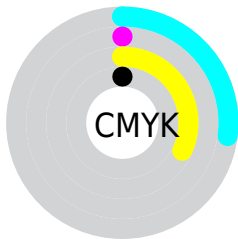
Distribution



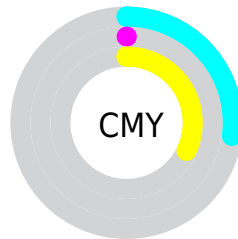
- Red (73%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (95%)



- Cyan (27%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1019, 0.3166, 0.4223 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 85.1019, 0.3166, 0.4223 by changing the saturation by 10% instead.

 85.1019, 0.3166,
0.4223

 85.1019, 0.3166,
0.4223


511.9652, 0.3162,
0.3781

 63.9256, 0.3163,
0.4325


 140.5155, 0.3167,
0.4068

 46.5904, 0.3158,
0.4453

175.5216, 0.3167,
0.4009

 32.7120, 0.3149,
0.4615


215.9065, 0.3167,
0.3957

 21.9059, 0.3131,
0.4827

262.0544, 0.3166,
0.3913

 13.7878, 0.3098,
0.5115

314.3499, 0.3165,
0.3874

 7.9732, 0.3031,
0.5525

373.1772, 0.3164,

 4.0778, 0.2903,

0.3839

0.6179

438.9209, 0.3163,
0.3809

1.7172, 0.2544,
0.7456

0.4347, 0.0000,
1.0000

85.1019, 0.3166,
0.4223

85.1019, 0.3166,
0.4223

81.7354, 0.3169,
0.4563

89.0559, 0.3157,
0.3901

78.9194, 0.3166,
0.4908

93.6141, 0.3145,
0.3607

76.6266, 0.3154,
0.5237

98.8040, 0.3130,
0.3343

74.8239, 0.3133,
0.5525

100.0000, 0.3127,
0.3290

■ 73.4741, 0.3104,
0.5751

■ 72.5344, 0.3070,
0.5899

■ 72.0440, 0.3045,
0.5965

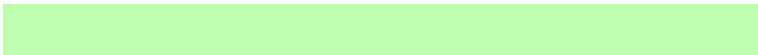
Harmonies

Analogous

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



85.1019, 0.3700, 0.4284



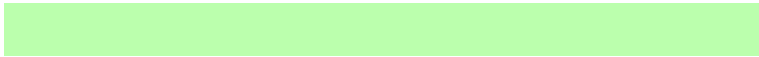
85.1019, 0.3166, 0.4223



85.1019, 0.2648, 0.3825

Triad

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



85.1019, 0.3166, 0.4223



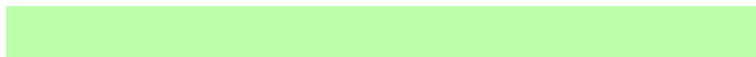
85.1019, 0.2215, 0.2488



85.1019, 0.4043, 0.3217

Complementary

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



85.1019, 0.3166, 0.4223



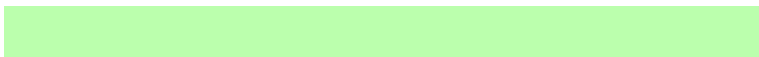
55.8270, 0.3054, 0.2461

Split Complementary

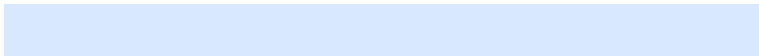
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1019, 0.3576, 0.2825



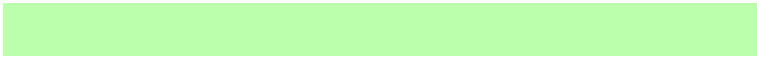
85.1019, 0.3166, 0.4223



85.1019, 0.2520, 0.2416

Square

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



85.1019, 0.3166, 0.4223



85.1019, 0.2130, 0.2776



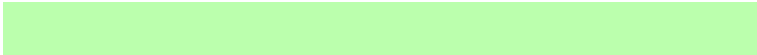
85.1019, 0.3008, 0.2540



85.1019, 0.4237, 0.3651

Rectangle

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



85.1019, 0.3166, 0.4223



85.1019, 0.2379, 0.3452



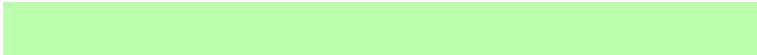
85.1019, 0.3008, 0.2540



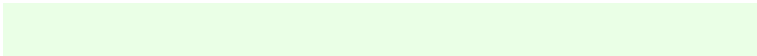
85.1019, 0.3911, 0.3078

Sweetspot

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



85.1050, 0.3166, 0.4223



94.6718, 0.3142, 0.3547



86.5833, 0.3657, 0.3961



20.1144, 0.3144, 0.3586



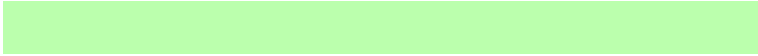
0.0000, 0.0000, 0.0000



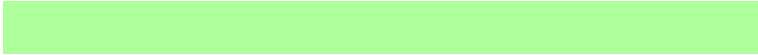
21.4041, 0.3127, 0.3290

Same Dimension

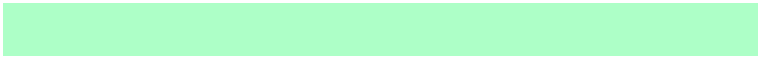
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1050, 0.3166, 0.4223



82.7331, 0.3169, 0.4455



84.5318, 0.2947, 0.3934



20.3169, 0.3141, 0.3534



37.6876, 0.3052, 0.5959



3.7089, 0.3115, 0.5908

Inverse Universe

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



55.8270, 0.3054, 0.2461



49.0309, 0.3032, 0.2283



56.8215, 0.3372, 0.2724



18.1345, 0.3111, 0.3054



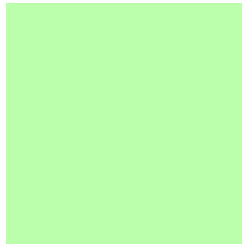
11.1069, 0.2780, 0.1305



1.1210, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 85.1019, 0.3166, 0.4223 looks on a white background.

Color Contrast Check

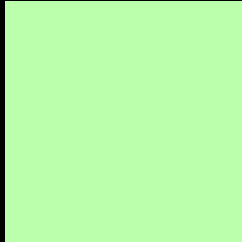
Large Text (above 18pt) WCAG AA × Fail

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 85.1019, 0.3166, 0.4223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

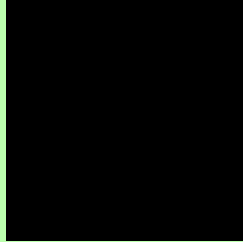
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1019, 0.3166, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 85.1019, 0.3166, 0.4223.

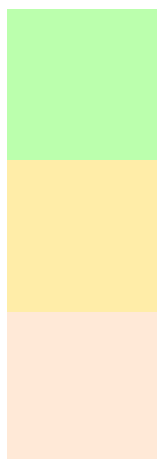


This preview shows how white text looks on a background with the Yxy color 85.1019, 0.3166, 0.4223.

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

85.1019, 0.3166, 0.4223

Protanopia

84.6555, 0.3699, 0.3984

Deuteranopia

84.4441, 0.3397, 0.3470



Tritanopia

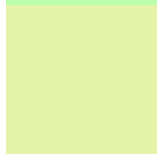
84.4267, 0.2877, 0.3144

Trichromacy



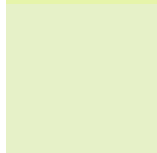
Original Color

85.1019, 0.3166, 0.4223



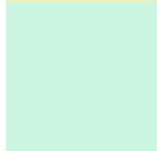
Protanomaly

84.4266, 0.3487, 0.4075



Deuteranomaly

83.9037, 0.3307, 0.3724



Tritanomaly

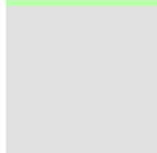
84.1851, 0.2985, 0.3517

Monochromacy



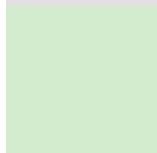
Original Color

85.1019, 0.3166, 0.4223



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2960, 0.3145, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1019, 0.3166, 0.4223 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(187, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 173)  
}
```

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(187, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 173) }
```

Border

The CSS property to change the border of an element to Yxy 85.1019, 0.3166, 0.4223 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(187, 255, 173) }
```

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

```
.border{ border-color:rgb(187, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1019, 0.3166, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 173) }
```

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

```
.background{ background-color: rgb(187,  
255, 173) }
```

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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