

Converting Colors

$Y_{xy}(100.0000, 0.3193, 0.4565)$

Have a look what the booklet for
Yxy(100.0000, 0.3193, 0.4565)
contains.

Yxy(84.4075, 0.3217, 0.4366)	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(84.4075, 0.3217, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFA1
RGB	185, 255, 161
RGB Percent	73%, 100%, 63%
CMY	0.2746, 0.0000, 0.3687
CMYK	0.27, 0.00, 0.37, 0.00
HSL	105°, 100%, 82%
HSV	105°, 37%, 100%
XYZ	62.1940, 84.4075, 46.7277
YIQ	223.3540, -11.5460, -44.0740

Conversions

Conversions Part 2

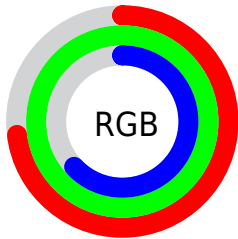
Format	Color
RYB	161, 255, 231
Decimal	12189601
CIELab	93.63, -38.45, 38.15
CIElCh	94, 54.166, 135.219
Yxy	84.4075, 0.3217, 0.4366
Android (android.graphics.Color)	4290379681 (0xFFB9FFA1)
YUV	223.3540, -30.7405, -33.6365
Hunter-Lab	91.8736, -39.9428, 34.1561

Details

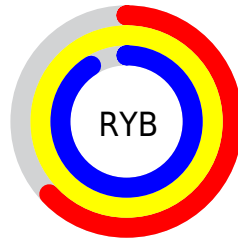
The Yxy color **84.4075, 0.3217, 0.4366** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.7000, 0.2975, 0.2319**, and the grayscale version is **74.2773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5844, 0.3273, 0.3670**, and **46.2167, 0.3219, 0.4634** is the 20% darker color. If you saturate the color by 10%, you get **81.3871, 0.3228, 0.4701**, and if you desaturate by 10%, it is **87.9185, 0.3198, 0.4042**.

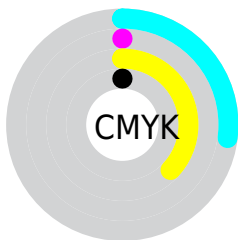
Distribution



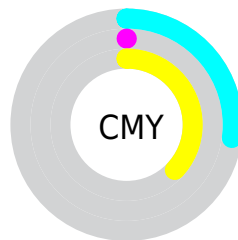
- Red (73%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (91%)



- Cyan (27%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4075, 0.3217, 0.4366 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 84.4075, 0.3217, 0.4366 by changing the saturation by 10% instead.


 84.4075, 0.3217,
0.4366


 84.4075, 0.3217,
0.4366

509.6655, 0.3195,
0.3855

 63.3519, 0.3217,
0.4485


 139.5451, 0.3213,
0.4187

 46.1260, 0.3214,
0.4632


 174.3959, 0.3211,
0.4118

 32.3452, 0.3207,
0.4818


214.6138, 0.3208,
0.4058

 21.6253, 0.3189,
0.5062

260.5834, 0.3205,
0.4007

 13.5819, 0.3151,
0.5390

312.6890, 0.3202,
0.3962

 7.8304, 0.3068,
0.5849


371.3149, 0.3200,


 3.9866, 0.2973,

0.3922


0.6722


436.8456, 0.3197,
0.3887


 1.6661, 0.2292,
0.7708


 0.4016, 0.0000,
1.0000


 84.4075, 0.3217,
0.4366

 84.4075, 0.3217,
0.4366


 81.3871, 0.3228,
0.4701

 87.9185, 0.3198,
0.4042

 78.8463, 0.3228,
0.5030

 91.9548, 0.3174,
0.3739

 76.7554, 0.3216,
0.5334

 96.5329, 0.3147,
0.3463

 75.0857, 0.3191,
0.5590

100.0000, 0.3127,
0.3290

■ 73.8055, 0.3153,
0.5781

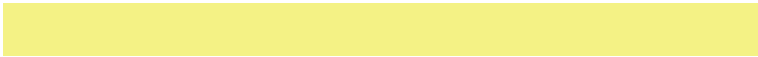
■ 72.8767, 0.3108,
0.5899

■ 72.6450, 0.3095,
0.5925

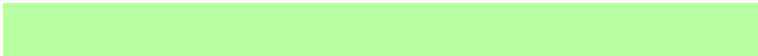
Harmonies

Analogous

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



84.4075, 0.3804, 0.4387



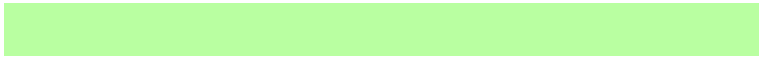
84.4075, 0.3217, 0.4366



84.4075, 0.2636, 0.3944

Triad

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



84.4075, 0.3217, 0.4366



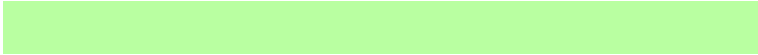
84.4075, 0.2102, 0.2417



84.4075, 0.4116, 0.3161

Complementary

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



84.4075, 0.3217, 0.4366



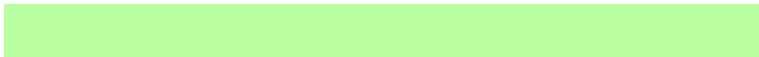
49.7000, 0.2975, 0.2319

Split Complementary

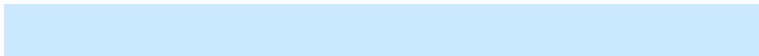
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4075, 0.3571, 0.2741



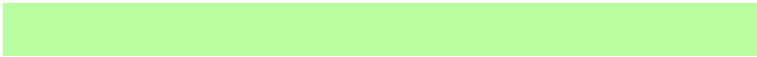
84.4075, 0.3217, 0.4366



84.4075, 0.2414, 0.2324

Square

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



84.4075, 0.3217, 0.4366



84.4075, 0.2031, 0.2750



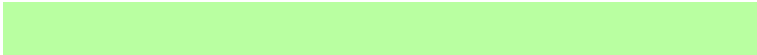
84.4075, 0.2937, 0.2444



84.4075, 0.4363, 0.3636

Rectangle

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



84.4075, 0.3217, 0.4366



84.4075, 0.2329, 0.3525



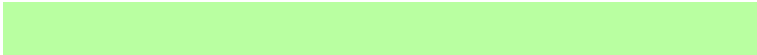
84.4075, 0.2937, 0.2444



84.4075, 0.3959, 0.3012

Sweetspot

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



84.4032, 0.3217, 0.4366



94.5733, 0.3158, 0.3574



80.3883, 0.3768, 0.3988



20.1094, 0.3162, 0.3611



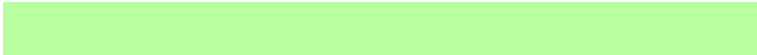
0.0000, 0.0000, 0.0000



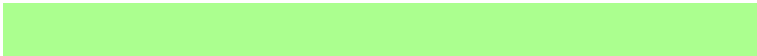
21.4041, 0.3127, 0.3290

Same Dimension

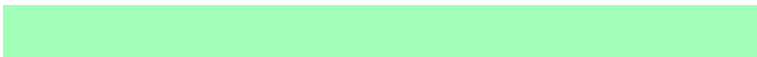
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4032, 0.3217, 0.4366



82.2018, 0.3226, 0.4604



82.5121, 0.2963, 0.4145



20.3920, 0.3154, 0.3533



38.0182, 0.3104, 0.5918



3.7511, 0.3181, 0.5856

Inverse Universe

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



49.7000, 0.2975, 0.2319



43.0359, 0.2935, 0.2129



52.6339, 0.3351, 0.2567



18.0535, 0.3097, 0.3053



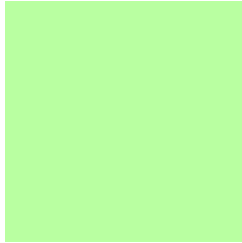
9.5654, 0.2570, 0.1189



0.9834, 0.2646, 0.1231

Previews

White Background



This preview shows how the Yxy color 84.4075, 0.3217, 0.4366 looks on a white background.

Color Contrast Check

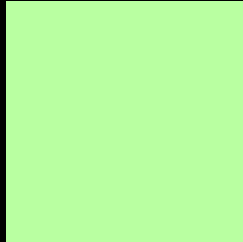
Large Text (above 18pt) WCAG AA × Fail

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 84.4075, 0.3217, 0.4366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

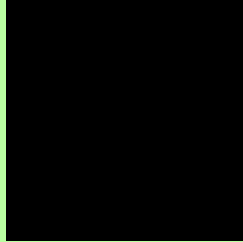
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

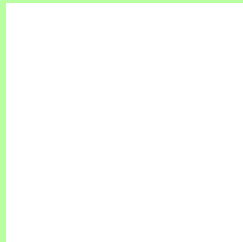
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4075, 0.3217, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 84.4075, 0.3217, 0.4366.

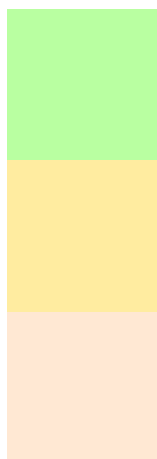


This preview shows how white text looks on a background with the Yxy color 84.4075, 0.3217, 0.4366.

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

84.4075, 0.3217, 0.4366

Protanopia

83.7890, 0.3753, 0.4053

Deuteranopia

83.6764, 0.3425, 0.3501



Tritanopia

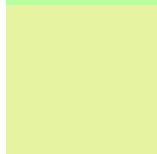
84.1276, 0.2865, 0.3144

Trichromacy



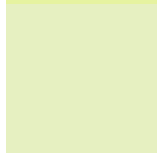
Original Color

84.4075, 0.3217, 0.4366



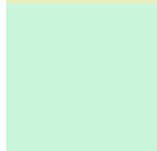
Protanomaly

83.4622, 0.3549, 0.4171



Deuteranomaly

82.9934, 0.3352, 0.3789



Tritanomaly

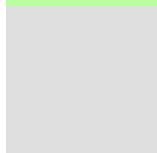
83.6885, 0.2995, 0.3563

Monochromacy



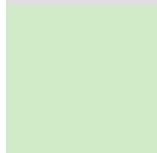
Original Color

84.4075, 0.3217, 0.4366



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1421, 0.3169, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4075, 0.3217, 0.4366 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(185, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 161)  
}
```

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(185, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 84.4075, 0.3217, 0.4366 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(185, 255, 161) }
```

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

```
.border{ border-color:rgb(185, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 255, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 255, 161); box-shadow:4px 4px 4px 4px rgb(185, 255, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4075, 0.3217, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 161) }
```

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

```
.background{ background-color: rgb(185,  
255, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor