

Converting Colors

$Yxy(87.3050, 0.3191, 0.4078)$

Have a look what the booklet for
Yxy(87.3050, 0.3191, 0.4078)
contains.

Yxy(87.2601, 0.3187, 0.4076)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.2601, 0.3187, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFB8
RGB	200, 255, 184
RGB Percent	78%, 100%, 72%
CMY	0.2157, 0.0000, 0.2784
CMYK	0.22, 0.00, 0.28, 0.00
HSL	106°, 100%, 86%
HSV	106°, 28%, 100%
XYZ	68.2281, 87.2601, 58.5944
YIQ	230.4610, -9.9890, -33.7410

Conversions

Conversions Part 2

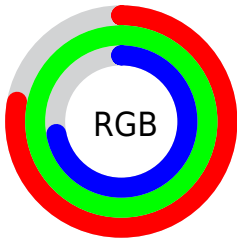
Format	Color
RYB	184, 255, 239
Decimal	13172664
CIELab	94.85, -30.10, 28.44
CIElCh	95, 41.414, 136.628
Yxy	87.2601, 0.3187, 0.4076
Android (android.graphics.Color)	4291362744 (0xFFC8FFB8)
YUV	230.4610, -22.9053, -26.7143
Hunter-Lab	93.4131, -33.0981, 28.1989

Details

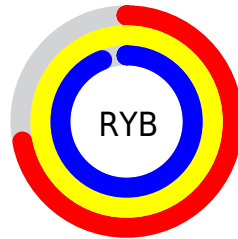
The Yxy color **87.2601, 0.3187, 0.4076** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.8558, 0.3037, 0.2568**, and the grayscale version is **79.6647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **48.0196, 0.3194, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **83.7364, 0.3201, 0.4404**, and if you desaturate by 10%, it is **91.3243, 0.3168, 0.3769**.

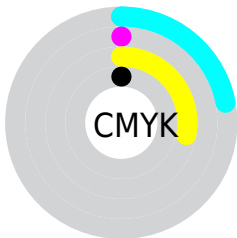
Distribution



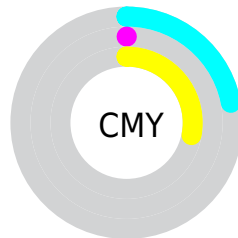
- Red (78%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (94%)



- Cyan (22%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2601, 0.3187, 0.4076 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 87.2601, 0.3187, 0.4076 by changing the saturation by 10% instead.

 87.2601, 0.3187,
0.4076

 87.2601, 0.3187,
0.4076


519.0772, 0.3170,
0.3708

 65.7105, 0.3188,
0.4161


 143.5266, 0.3183,
0.3948

 48.0374, 0.3189,
0.4265


179.0123, 0.3181,
0.3898

 33.8565, 0.3188,
0.4398


219.9121, 0.3179,
0.3855

 22.7834, 0.3182,
0.4571

266.6105, 0.3177,
0.3818

 14.4336, 0.3168,
0.4805

319.4918, 0.3175,
0.3786

 8.4229, 0.3136,
0.5139

378.9404, 0.3173,

 4.3667, 0.3056,

0.3757

0.5642

445.3407, 0.3171,
0.3731

■ 1.8807, 0.3056,
0.6944

■ 0.5368, 0.0000,
1.0000

■ 87.2601, 0.3187,
0.4076

■ 87.2601, 0.3187,
0.4076

■ 83.7364, 0.3201,
0.4404

■ 91.3243, 0.3168,
0.3769

■ 80.7353, 0.3207,
0.4743

■ 95.9570, 0.3146,
0.3489

■ 78.2292, 0.3203,
0.5075

100.0000, 0.3127,
0.3290

■ 76.1904, 0.3188,
0.5378

■ 74.5881, 0.3161,
0.5631

■ 73.3873, 0.3125,
0.5815

■ 72.5455, 0.3083,
0.5923

■ 72.4018, 0.3075,
0.5941

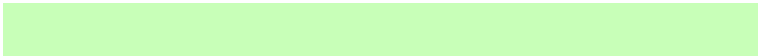
Harmonies

Analogous

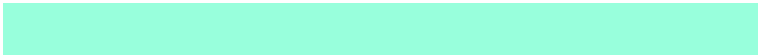
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2601, 0.3638, 0.4127



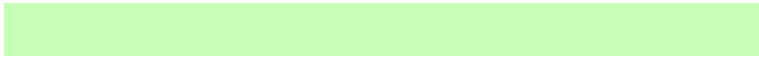
87.2601, 0.3187, 0.4076



87.2601, 0.2740, 0.3755

Triad

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



87.2601, 0.3187, 0.4076



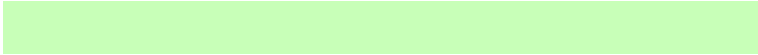
87.2601, 0.2337, 0.2613



87.2601, 0.3888, 0.3219

Complementary

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



87.2601, 0.3187, 0.4076



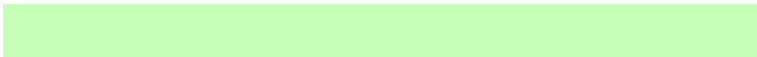
59.8558, 0.3037, 0.2568

Split Complementary

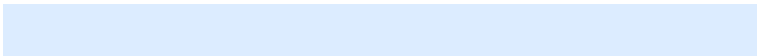
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2601, 0.3489, 0.2880



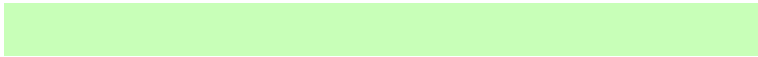
87.2601, 0.3187, 0.4076



87.2601, 0.2596, 0.2538

Square

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



87.2601, 0.3187, 0.4076



87.2601, 0.2272, 0.2874



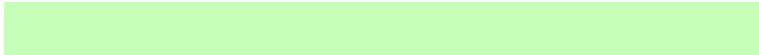
87.2601, 0.3010, 0.2637



87.2601, 0.4064, 0.3595

Rectangle

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



87.2601, 0.3187, 0.4076



87.2601, 0.2503, 0.3451



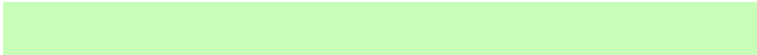
87.2601, 0.3010, 0.2637



87.2601, 0.3774, 0.3099

Sweetspot

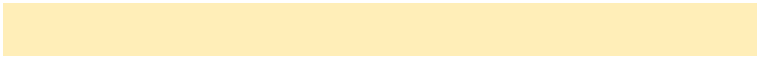
The Sweet Spot groups the original color and five complimentary colors.



87.2582, 0.3187, 0.4076



95.8793, 0.3146, 0.3493



86.1229, 0.3591, 0.3837



20.3653, 0.3150, 0.3533



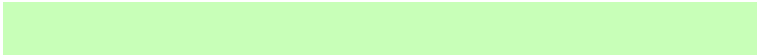
0.0000, 0.0000, 0.0000



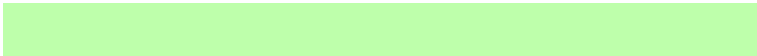
21.4041, 0.3127, 0.3290

Same Dimension

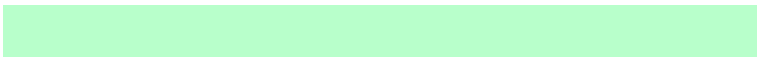
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2582, 0.3187, 0.4076



85.3752, 0.3195, 0.4243



86.0194, 0.2988, 0.3877



20.3653, 0.3150, 0.3533



37.8855, 0.3083, 0.5934



3.7349, 0.3156, 0.5876

Inverse Universe

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



59.8558, 0.3037, 0.2568



54.1317, 0.3015, 0.2429



61.6021, 0.3304, 0.2768



18.0821, 0.3102, 0.3053



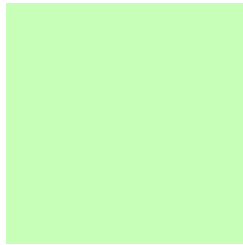
10.0868, 0.2644, 0.1230



1.0302, 0.2711, 0.1267

Previews

White Background



This preview shows how the Yxy color 87.2601, 0.3187, 0.4076 looks on a white background.

Color Contrast Check

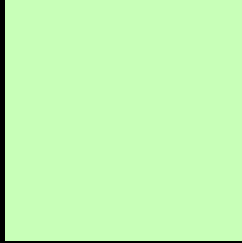
Large Text (above 18pt) WCAG AA × Fail

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 87.2601, 0.3187, 0.4076 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

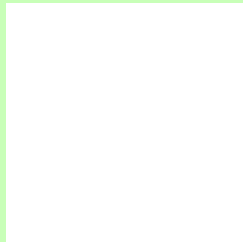
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2601, 0.3187, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 87.2601, 0.3187, 0.4076.

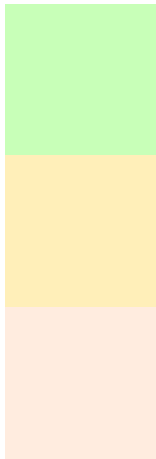


This preview shows how white text looks on a background with the Yxy color 87.2601, 0.3187, 0.4076.

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

87.2601, 0.3187, 0.4076

Protanopia

86.4958, 0.3583, 0.3832

Deuteranopia

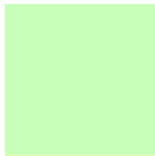
86.5786, 0.3339, 0.3419



Tritanopia

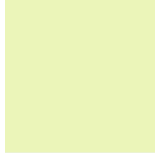
87.1685, 0.2938, 0.3168

Trichromacy



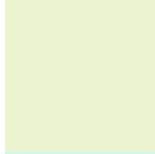
Original Color

87.2601, 0.3187, 0.4076



Protanomaly

86.4698, 0.3428, 0.3917



Deuteranomaly

86.3668, 0.3282, 0.3643



Tritanomaly

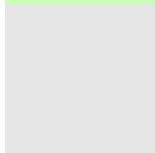
86.6257, 0.3030, 0.3480

Monochromacy



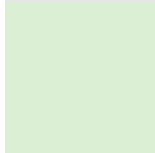
Original Color

87.2601, 0.3187, 0.4076



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5972, 0.3154, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2601, 0.3187, 0.4076 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(200, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 184)  
}
```

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(200, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 184) }
```

Border

The CSS property to change the border of an element to Yxy 87.2601, 0.3187, 0.4076 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(200, 255, 184) }
```

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

```
.border{ border-color:rgb(200, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2601, 0.3187, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 184) }
```

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

```
.background{ background-color: rgb(200,  
255, 184) }
```

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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