

Converting Colors

$Y_{xy}(121.0955, 0.3063, 0.4561)$

Have a look what the booklet for
Yxy(121.0955, 0.3063, 0.4561)
contains.

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Color

Yxy(84.7212, 0.3082, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFB6
RGB	181, 255, 182
RGB Percent	71%, 100%, 71%
CMY	0.2903, 0.0000, 0.2864
CMYK	0.29, 0.00, 0.29, 0.00
HSL	121°, 100%, 85%
HSV	121°, 29%, 100%
XYZ	63.2536, 84.7212, 57.2607
YIQ	224.5520, -20.6710, -38.3910

Conversions

Conversions Part 2

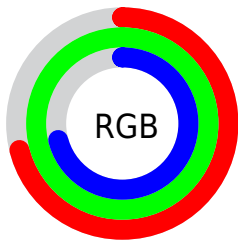
Format	Color
RYB	181, 254, 255
Decimal	11927478
CIELab	93.76, -36.58, 27.81
CIELCh	94, 45.953, 142.755
Yxy	84.7212, 0.3082, 0.4128
Android (android.graphics.Color)	4290117558 (0xFFB5FFB6)
YUV	224.5520, -20.9781, -38.1951
Hunter-Lab	92.0441, -38.4104, 27.5465

Details

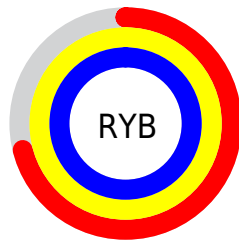
The Yxy color **84.7212, 0.3082, 0.4128** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.4553, 0.3169, 0.2574**, and the grayscale version is **75.1138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8702, 0.3119, 0.3459**, and **46.4088, 0.3057, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **80.9642, 0.3064, 0.4475**, and if you desaturate by 10%, it is **89.2220, 0.3099, 0.3807**.

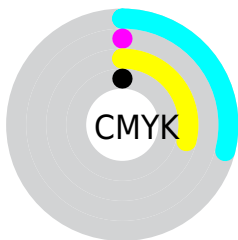
Distribution



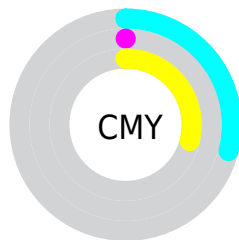
- Red (71%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7212, 0.3082, 0.4128 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 84.7212, 0.3082, 0.4128 by changing the saturation by 10% instead.


 84.7212, 0.3082,
0.4128

 84.7212, 0.3082,
0.4128


510.7051, 0.3113,
0.3731

 63.6110, 0.3072,
0.4220


 139.9836, 0.3095,
0.3989

 46.3357, 0.3059,
0.4335

174.9046, 0.3099,
0.3935

 32.5108, 0.3040,
0.4482


215.1980, 0.3103,
0.3889

 21.7520, 0.3011,
0.4676

261.2482, 0.3106,
0.3849

 13.6748, 0.2966,
0.4941

313.4397, 0.3108,
0.3814

 7.8948, 0.2887,
0.5323

372.1567, 0.3110,

 4.0277, 0.2735,

0.3783

0.5914

437.7837, 0.3112,
0.3756

1.6891, 0.2474,
0.7526

0.4166, 0.0000,
1.0000

84.7212, 0.3082,
0.4128

84.7212, 0.3082,
0.4128

80.9642, 0.3064,
0.4475

89.2220, 0.3099,
0.3807

77.9209, 0.3046,
0.4834

94.5150, 0.3114,
0.3519

75.5430, 0.3030,
0.5184

100.0000, 0.3127,
0.3290

73.7807, 0.3016,
0.5497

■ 72.5774, 0.3006,
0.5745

■ 71.8657, 0.3001,
0.5910

■ 71.5489, 0.2999,
0.5989

■ 71.5275, 0.2998,
0.5994

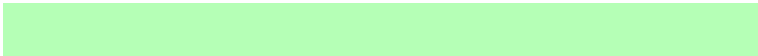
Harmonies

Analogous

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



84.7212, 0.3596, 0.4244



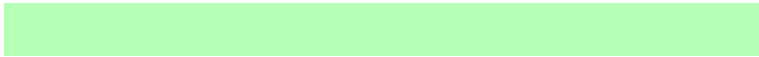
84.7212, 0.3082, 0.4128



84.7212, 0.2604, 0.3713

Triad

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



84.7212, 0.3082, 0.4128



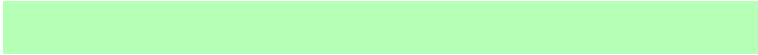
84.7212, 0.2292, 0.2502



84.7212, 0.4045, 0.3290

Complementary

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



84.7212, 0.3082, 0.4128



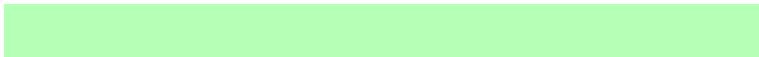
61.4553, 0.3169, 0.2574

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.



84.7212, 0.3636, 0.2903



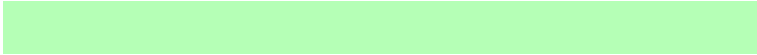
84.7212, 0.3082, 0.4128



84.7212, 0.2616, 0.2464

Square

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



84.7212, 0.3082, 0.4128



84.7212, 0.2176, 0.2745



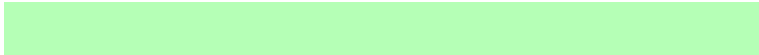
84.7212, 0.3102, 0.2610



84.7212, 0.4179, 0.3704

Rectangle

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



84.7212, 0.3082, 0.4128



84.7212, 0.2367, 0.3357



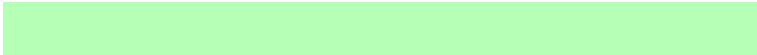
84.7212, 0.3102, 0.2610



84.7212, 0.3934, 0.3155

Sweetspot

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



84.7177, 0.3082, 0.4128



94.5308, 0.3115, 0.3519



96.1153, 0.3567, 0.4018



20.0578, 0.3112, 0.3558



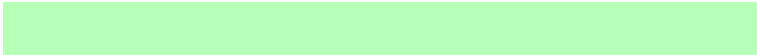
0.0000, 0.0000, 0.0000



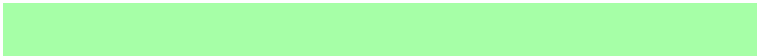
21.4041, 0.3127, 0.3290

Same Dimension

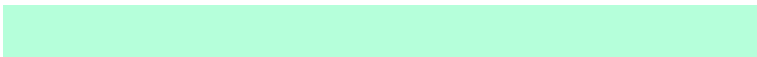
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7177, 0.3082, 0.4128



82.3882, 0.3071, 0.4333



86.4027, 0.2892, 0.3703



20.1721, 0.3114, 0.3532



37.3764, 0.2998, 0.5992



3.6405, 0.2992, 0.5972

Inverse Universe

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



61.4553, 0.3169, 0.2574



55.5845, 0.3177, 0.2430



59.3607, 0.3454, 0.2912



18.2959, 0.3140, 0.3059



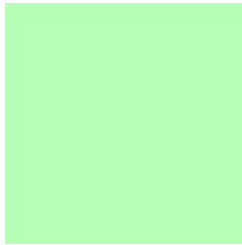
14.7688, 0.3243, 0.1560



1.4393, 0.3239, 0.1558

Previews

White Background



This preview shows how the Yxy color 84.7212, 0.3082, 0.4128 looks on a white background.

Color Contrast Check

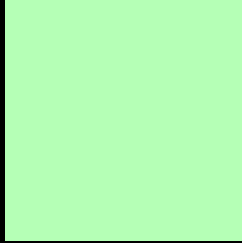
Large Text (above 18pt) WCAG AA × Fail

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 84.7212, 0.3082, 0.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

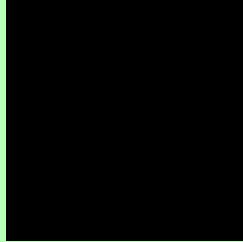
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

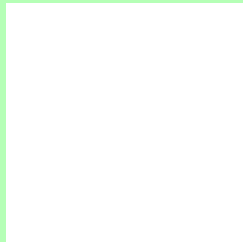
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7212, 0.3082, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 84.7212, 0.3082, 0.4128.

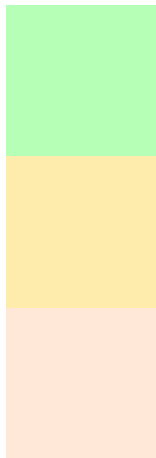


This preview shows how white text looks on a background with the Yxy color 84.7212, 0.3082, 0.4128.

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

84.7212, 0.3082, 0.4128

Protanopia

84.0789, 0.3662, 0.3927

Deuteranopia

83.9311, 0.3391, 0.3451



Tritanopia

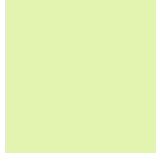
84.5731, 0.2859, 0.3154

Trichromacy



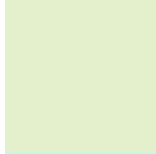
Original Color

84.7212, 0.3082, 0.4128



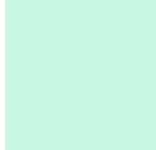
Protanomaly

83.5667, 0.3431, 0.4007



Deuteranomaly

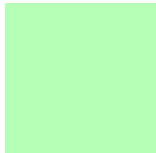
83.1738, 0.3269, 0.3672



Tritanomaly

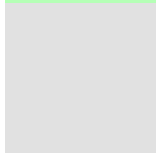
84.4023, 0.2944, 0.3496

Monochromacy



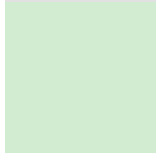
Original Color

84.7212, 0.3082, 0.4128



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1497, 0.3113, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7212, 0.3082, 0.4128 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(181, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 182)  
}
```

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(181, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 182) }
```

Border

The CSS property to change the border of an element to Yxy 84.7212, 0.3082, 0.4128 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(181, 255, 182) }
```

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

```
.border{ border-color:rgb(181, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 255, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 255, 182); box-shadow:4px 4px 4px 4px rgb(181, 255, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7212, 0.3082, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 182) }
```

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

```
.background{ background-color: rgb(181,  
255, 182) }
```

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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