

Converting Colors

`RYB(119, 227, 214)`

Have a look what the booklet for
RYB(119, 227, 214) contains.

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Color

R_YB(119, 227, 214)

Conversions

Conversions Part 1

Format	Color
Hex	84E377
RGB	132, 227, 119
RGB Percent	52%, 89%, 47%
CMY	0.4824, 0.1098, 0.5333
CMYK	0.42, 0.00, 0.48, 0.11
HSL	113°, 66%, 68%
HSV	113°, 48%, 89%
XYZ	40.3146, 61.1756, 27.1360
YIQ	186.2830, -21.9520, -53.7280

Conversions

Conversions Part 2

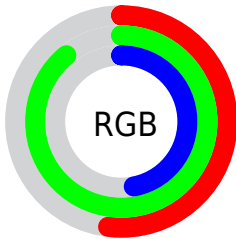
Format	Color
RYB	119, 227, 214
Decimal	8708983
CIELab	82.47, -48.78, 43.92
CIElCh	82, 65.638, 138.000
Yxy	61.1756, 0.3134, 0.4756
Android (android.graphics.Color)	4286899063 (0xFF84E377)
YUV	186.2830, -33.1705, -47.6062
Hunter-Lab	78.2148, -44.8710, 34.1802

Details

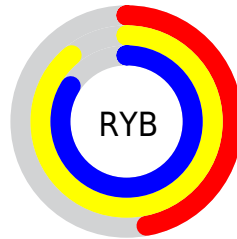
The RYB color **119, 227, 214** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **214, 119, 227**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **173, 255, 239**, and **67, 171, 163** is the 20% darker color. If you saturate the color by 10%, you get **96, 227, 211**, and if you desaturate by 10%, it is **142, 227, 217**.

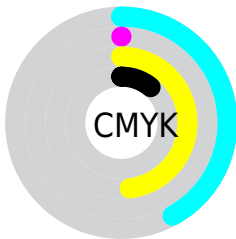
Distribution



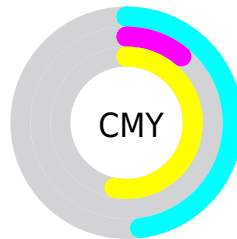
- Red (52%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (84%)



- Cyan (42%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)



- Cyan (48%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 227, 214 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 RYB color 119, 227, 214 by changing the saturation by 10% instead.

 119, 227, 214


255, 255, 255


 173, 255, 239


 201, 255, 237

 229, 255, 236

 119, 227, 214


 93, 199, 188

 67, 171, 163


 42, 144, 143

 0, 105, 117

 0, 92, 92

 0, 67, 67

 0, 45, 45

 0, 16, 16

 0, 0, 0

 119, 227, 214

 119, 227, 214

 96, 227, 211

 142, 227, 217

 74, 227, 209

 164, 227, 219

 51, 227, 206

 187, 227, 222

 28, 227, 203

 210, 227, 225

 6, 227, 201

 232, 227, 233

 0, 227, 200

 252, 227, 255

 255, 227, 255

Harmonies

Analogous

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



80, 213, 89



119, 227, 214



0, 133, 234

Triad

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



119, 227, 214



0, 118, 255



255, 152, 171

Complementary

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



119, 227, 214



214, 119, 227

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.



255, 154, 233



119, 227, 214



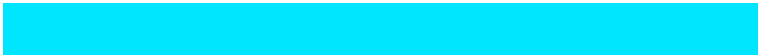
165, 190, 255

Square

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



119, 227, 214



0, 121, 255



255, 174, 255



255, 204, 116

Rectangle

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



119, 227, 214



0, 122, 236



255, 174, 255



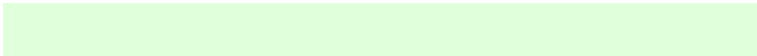
255, 150, 191

Sweetspot

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



119, 227, 214



219, 255, 250



135, 227, 119



106, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



119, 227, 214



110, 255, 238



119, 198, 227



103, 115, 113



0, 179, 158



0, 51, 45

Inverse Universe

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



214, 119, 227



238, 110, 255



227, 119, 187



113, 103, 115



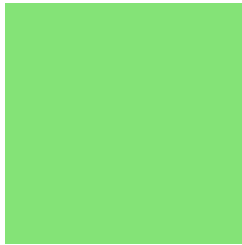
157, 0, 179



45, 0, 51

Previews

White Background



This preview shows how the RYB color 119, 227, 214 looks on a white background.

Color Contrast Check

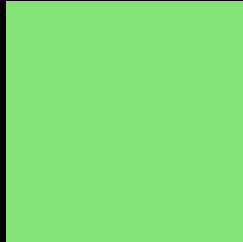
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 119, 227, 214 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](#).

RYB 119, 227, 214 Background



This preview shows how black text looks on a background with the RYB color 119, 227, 214.



This preview shows how white text looks on a background with the RYB color 119, 227, 214.

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](#).

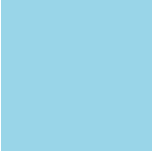
Dichromacy



Original Color
[119, 227, 214](#)

Protanopia
[137, 225, 111](#)

Deuteranopia
[219, 247, 127](#)



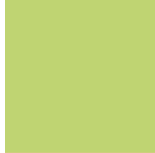
Tritanopia
153, 187, 232

Trichromacy



Original Color

119, 227, 214



Protanomaly

114, 212, 135



Deuteranomaly

124, 207, 126



Tritanomaly

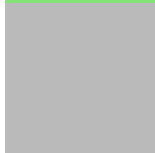
145, 191, 219

Monochromacy



Original Color

119, 227, 214



Achromatopsia

186, 186, 186



Achromatomaly

162, 201, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 227, 214 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(132, 227, 119)` looks like.

```
.text, #text, p{  
    color:rgb(132, 227, 119)  
}
```

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(132, 227, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 227, 119) }
```

Border

The CSS property to change the border of an element to RYB 119, 227, 214 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(132, 227, 119) }
```

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

```
.border{ border-color:rgb(132, 227, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 227, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 227, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 227, 119);  
box-shadow:4px 4px 4px 4px rgb(132, 227,  
119) }
```

Background

The CSS property to change the background color of an element to RYB 119, 227, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 227, 119) }
```

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

```
.background{ background-color: rgb(132,  
227, 119) }
```

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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