

Converting Colors

`RYB(119, 240, 221)`

Have a look what the booklet for
RYB(119, 240, 221) contains.

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Color

R_YB(119, 240, 221)

Conversions

Conversions Part 1

Format	Color
Hex	8AF077
RGB	138, 240, 119
RGB Percent	54%, 94%, 47%
CMY	0.4588, 0.0588, 0.5333
CMYK	0.43, 0.00, 0.50, 0.06
HSL	111°, 80%, 70%
HSV	111°, 50%, 94%
XYZ	44.9711, 69.0554, 28.4116
YIQ	195.7080, -21.9510, -59.2550

Conversions

Conversions Part 2

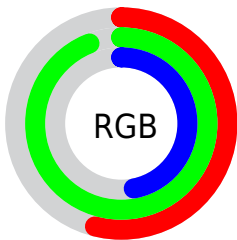
Format	Color
RYB	119, 240, 221
Decimal	9105527
CIELab	86.53, -52.33, 48.98
CIElCh	87, 71.674, 136.898
Yxy	69.0554, 0.3157, 0.4848
Android (android.graphics.Color)	4287295607 (0xFF8AF077)
YUV	195.7080, -37.8170, -50.6099
Hunter-Lab	83.0996, -48.8251, 37.8986

Details

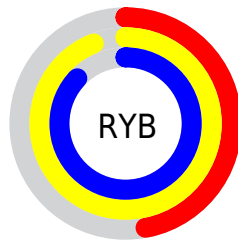
The RYB color **119, 240, 221** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **221, 119, 240**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **173, 255, 232**, and **66, 183, 169** is the 20% darker color. If you saturate the color by 10%, you get **95, 240, 217**, and if you desaturate by 10%, it is **143, 240, 225**.

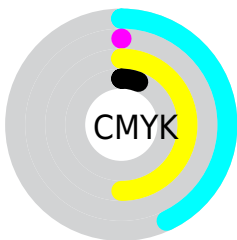
Distribution



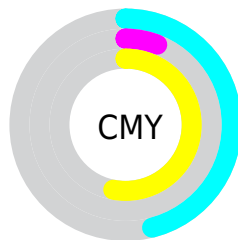
- Red (54%)
- Green (94%)
- Blue (47%)



- Red (47%)
- Yellow (94%)
- Blue (87%)



- Cyan (43%)
- Magenta (0%)
- Yellow (50%)
- Black (6%)



- Cyan (46%)
- Magenta (6%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 240, 221 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, 240, 221 by changing the saturation by 10% instead.

 119, 240, 221

255, 255, 255


 173, 255, 232


 202, 255, 231

 230, 255, 230


 119, 240, 221

 93, 211, 195

 66, 183, 169


 40, 156, 149

 0, 123, 129

 0, 103, 103

 0, 78, 78

 0, 54, 54

 0, 31, 31

 0, 0, 0

■ 119, 240, 221

■ 119, 240, 221

■ 95, 240, 217

■ 143, 240, 225

■ 71, 240, 213

■ 167, 240, 229

■ 47, 240, 210

■ 191, 240, 232

■ 23, 240, 206

■ 215, 240, 236

■ 0, 240, 202

■ 239, 240, 240

■ 255, 240, 255

Harmonies

Analogous

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



76, 225, 84



119, 240, 221



0, 143, 248

Triad

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



119, 240, 221



0, 122, 255



255, 157, 181

Complementary

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



119, 240, 221



221, 119, 240

Split Complementary

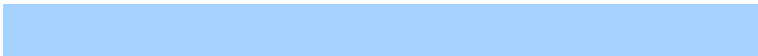
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 159, 249



119, 240, 221



165, 195, 255

Square

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



119, 240, 221



0, 125, 255



255, 183, 255



255, 216, 120

Rectangle

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



119, 240, 221



0, 130, 250



255, 183, 255



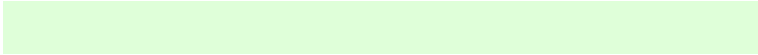
255, 155, 204

Sweetspot

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



119, 240, 221



217, 255, 249



143, 240, 119



105, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



119, 240, 221



99, 255, 230



119, 210, 240



108, 120, 118



0, 184, 155



0, 56, 47

Inverse Universe

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



221, 119, 240



231, 99, 255



240, 119, 200



118, 108, 120



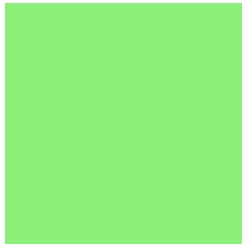
155, 0, 184



47, 0, 56

Previews

White Background



This preview shows how the RYB color 119, 240, 221 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, 240, 221 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

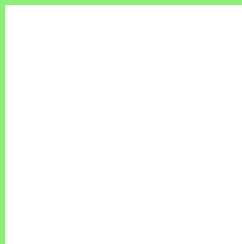
Any Text WCAG AAA ✓ Pass

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

RYB 119, 240, 221 Background



This preview shows how black text looks on a background with the RYB color 119, 240, 221.

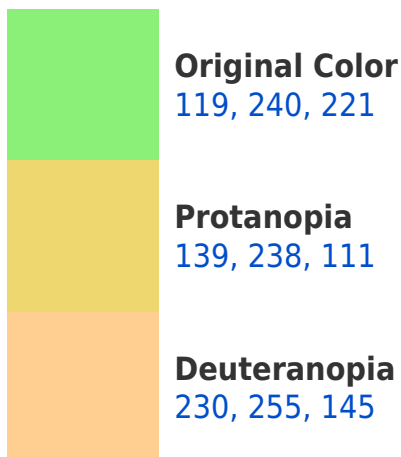


This preview shows how white text looks on a background with the RYB color 119, 240, 221.

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





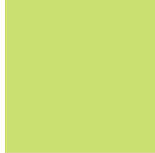
Tritanopia
161, 197, 244

Trichromacy



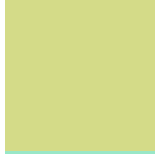
Original Color

119, 240, 221



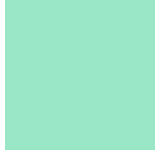
Protanomaly

114, 224, 136



Deuteranomaly

136, 219, 143



Tritanomaly

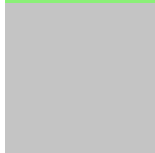
153, 202, 231

Monochromacy



Original Color

119, 240, 221



Achromatopsia

196, 196, 196



Achromatomaly

168, 212, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 240, 221 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(138, 240, 119)` looks like.

```
.text, #text, p{  
    color:rgb(138, 240, 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(138, 240, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 240, 119) }
```

Border

The CSS property to change the border of an element to RYB 119, 240, 221 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(138, 240, 119) }
```

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

```
.border{ border-color:rgb(138, 240, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 240, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 240, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 240, 119);  
box-shadow:4px 4px 4px 4px rgb(138, 240,  
119) }
```

Background

The CSS property to change the background color of an element to RYB 119, 240, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 240, 119) }
```

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

```
.background{ background-color: rgb(138,  
240, 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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