

Converting Colors

`RYB(120, 242, 184)`

Have a look what the booklet for
RYB(120, 242, 184) contains.

RYB(120, 242, 184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(120, 242, 184)

Conversions

Conversions Part 1

Format	Color
Hex	B2F278
RGB	178, 242, 120
RGB Percent	70%, 95%, 47%
CMY	0.3020, 0.0510, 0.5294
CMYK	0.26, 0.00, 0.50, 0.05
HSL	91°, 82%, 71%
HSV	91°, 50%, 95%
XYZ	53.5024, 74.3253, 29.2956
YIQ	208.9560, 1.0180, -51.5100

Conversions

Conversions Part 2

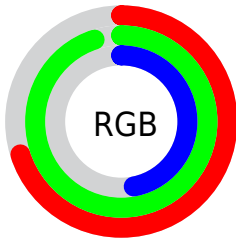
Format	Color
RYB	120, 242, 184
Decimal	11727480
CIELab	89.08, -40.07, 52.05
CIELCh	89, 65.690, 127.593
Yxy	74.3253, 0.3405, 0.4730
Android (android.graphics.Color)	4289917560 (0xFFB2F278)
YUV	208.9560, -43.8553, -27.1484
Hunter-Lab	86.2121, -40.0959, 40.2012

Details

The RYB color **120, 242, 184** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **184, 120, 242**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **175, 255, 194**, and **67, 185, 130** is the 20% darker color. If you saturate the color by 10%, you get **96, 242, 173**, and if you desaturate by 10%, it is **144, 242, 195**.

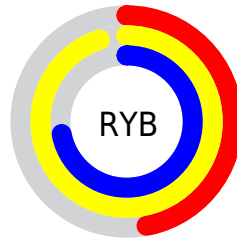
Distribution



Red (70%)

Green (95%)

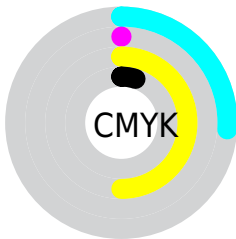
Blue (47%)



Red (47%)

Yellow (95%)

Blue (72%)

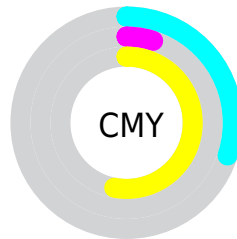


Cyan (26%)

Magenta (0%)

Yellow (50%)

Black (5%)



Cyan (30%)

Magenta (5%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 242, 184 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 120, 242, 184 by changing the saturation by 10% instead.

 120, 242, 184

255, 255, 255


 175, 255, 194


 203, 255, 203


 232, 255, 232


 120, 242, 184

 93, 213, 156

 67, 185, 130

 40, 158, 103

 4, 132, 69

 0, 106, 68

 0, 81, 80

 0, 58, 58

 0, 38, 38

 0, 0, 0

 120, 242, 184

 120, 242, 184

 96, 242, 173

 144, 242, 195

 72, 242, 161

 168, 242, 207

 47, 242, 149

 193, 242, 219

 23, 242, 138

 217, 242, 230

 0, 242, 127

 241, 242, 242

 254, 242, 255

 255, 242, 255

Harmonies

Analogous

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



115, 245, 93



120, 242, 184



83, 193, 252

Triad

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



120, 242, 184



0, 124, 255



255, 169, 210

Complementary

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



120, 242, 184



184, 120, 242

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, 178, 255



120, 242, 184



141, 189, 255

Square

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



120, 242, 184



0, 127, 255



249, 201, 255



255, 194, 150

Rectangle

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



120, 242, 184



0, 138, 255



249, 201, 255



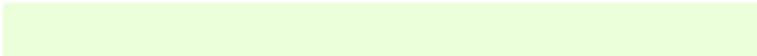
255, 170, 231

Sweetspot

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



120, 242, 184



217, 255, 237



234, 242, 120



105, 128, 118



0, 0, 0



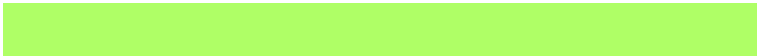
128, 128, 128

Same Dimension

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



120, 242, 184



102, 255, 182



120, 240, 242



108, 120, 114



0, 184, 97



0, 56, 29

Inverse Universe

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



184, 120, 242



182, 102, 255



242, 120, 240



114, 108, 120



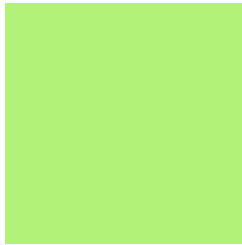
96, 0, 184



29, 0, 56

Previews

White Background



This preview shows how the RYB color 120, 242, 184 looks on a white background.

Color Contrast Check

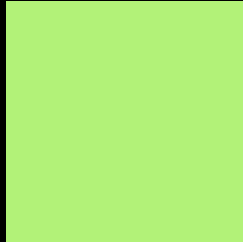
Large Text (above 18pt) WCAG AA × Fail

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 120, 242, 184 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 120, 242, 184 Background



This preview shows how black text looks on a background with the RYB color 120, 242, 184.

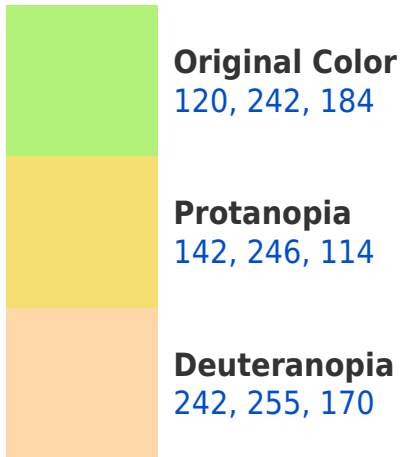



This preview shows how white text looks on a background with the RYB color 120, 242, 184.

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





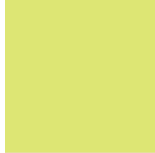
Tritanopia
196, 216, 246

Trichromacy



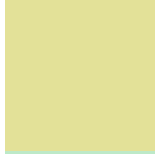
Original Color

120, 242, 184



Protanomaly

116, 230, 125



Deuteranomaly

154, 227, 152



Tritanomaly

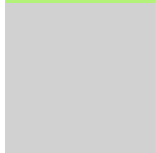
189, 224, 233

Monochromacy



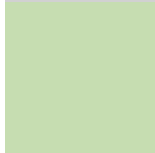
Original Color

120, 242, 184



Achromatopsia

209, 209, 209



Achromatomaly

177, 221, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 242, 184 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(178, 242, 120)` looks like.

```
.text, #text, p{  
    color:rgb(178, 242, 120)  
}
```

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(178, 242, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 242, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 242, 184 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(178, 242, 120) }
```

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

```
.border{ border-color:rgb(178, 242, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 242, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 242, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 242, 120);  
box-shadow:4px 4px 4px 4px rgb(178, 242,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 242, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 242, 120) }
```

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

```
.background{ background-color: rgb(178,  
242, 120) }
```

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