

Converting Colors

`RYB(120, 227, 198)`

Have a look what the booklet for
RYB(120, 227, 198) contains.

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Color

R_YB(120, 227, 198)

Conversions

Conversions Part 1

Format	Color
Hex	95E378
RGB	149, 227, 120
RGB Percent	58%, 89%, 47%
CMY	0.4157, 0.1098, 0.5294
CMYK	0.34, 0.00, 0.47, 0.11
HSL	104°, 66%, 68%
HSV	104°, 47%, 89%
XYZ	43.2537, 62.6838, 27.5888
YIQ	191.4800, -12.1410, -49.8130

Conversions

Conversions Part 2

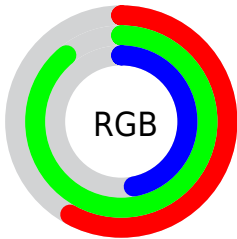
Format	Color
RYB	120, 227, 198
Decimal	9823096
CIELab	83.28, -43.32, 44.61
CIELCh	83, 62.183, 134.163
Yxy	62.6838, 0.3239, 0.4694
Android (android.graphics.Color)	4288013176 (0xFF95E378)
YUV	191.4800, -35.2396, -37.2550
Hunter-Lab	79.1731, -41.0352, 34.7609

Details

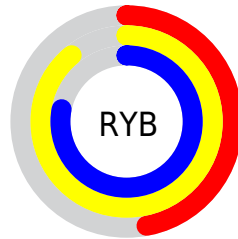
The RYB color **120, 227, 198** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **198, 120, 227**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **174, 255, 223**, and **68, 171, 145** is the 20% darker color. If you saturate the color by 10%, you get **97, 227, 192**, and if you desaturate by 10%, it is **143, 227, 204**.

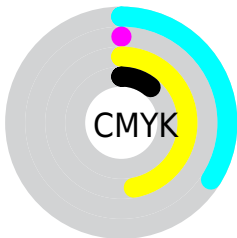
Distribution



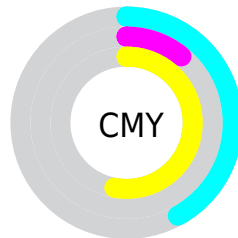
- Red (58%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)



- Cyan (42%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 227, 198 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, 227, 198 by changing the saturation by 10% instead.

 120, 227, 198


255, 255, 255


 174, 255, 223


 202, 255, 222


 231, 255, 231

 120, 227, 198

 94, 199, 172

 68, 171, 145

 43, 144, 121

 14, 118, 96

 0, 93, 93

 0, 68, 68

 0, 46, 46

 0, 20, 20

 0, 0, 0

 120, 227, 198

 120, 227, 198

 97, 227, 192

 143, 227, 204

 75, 227, 186

 165, 227, 210

 52, 227, 180

 188, 227, 216

 29, 227, 173

 211, 227, 223

 6, 227, 167

 232, 227, 233

 0, 227, 165

 248, 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.



89, 214, 88



120, 227, 198



35, 153, 235

Triad

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



120, 227, 198



0, 119, 255



255, 158, 182

Complementary

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



120, 227, 198



198, 120, 227

Split Complementary

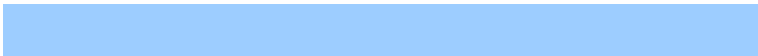
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 161, 241



120, 227, 198



157, 189, 255

Square

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



120, 227, 198



0, 122, 255



247, 181, 255



255, 195, 128

Rectangle

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



120, 227, 198



0, 125, 237



247, 181, 255



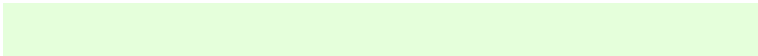
255, 157, 202

Sweetspot

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



120, 227, 198



219, 255, 245



162, 227, 120



106, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



120, 227, 198



110, 255, 216



120, 208, 227



103, 115, 112



0, 179, 131



0, 51, 37

Inverse Universe

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



198, 120, 227



216, 110, 255



227, 120, 204



112, 103, 115



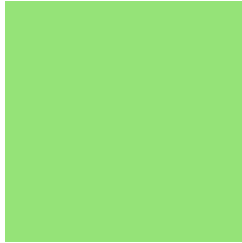
130, 0, 179



37, 0, 51

Previews

White Background



This preview shows how the RYB color 120, 227, 198 looks on a white background.

Color Contrast Check

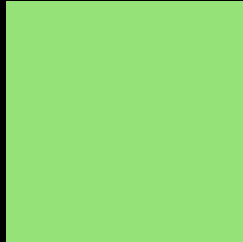
Large Text (above 18pt) WCAG AA × Fail

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, 227, 198 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, 227, 198 Background



This preview shows how black text looks on a background with the RYB color 120, 227, 198.

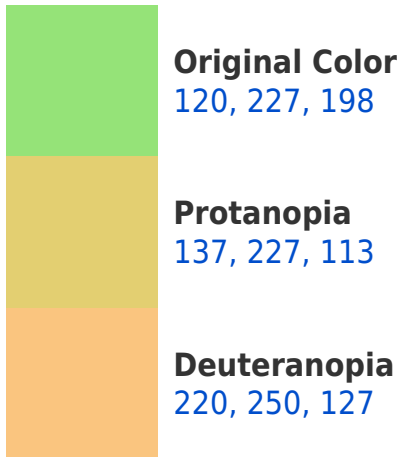


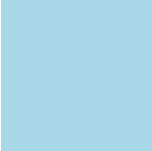
This preview shows how white text looks on a background with the RYB color 120, 227, 198.

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
168, 195, 232

Trichromacy



Original Color

120, 227, 198



Protanomaly

116, 214, 131



Deuteranomaly

129, 213, 124



Tritanomaly

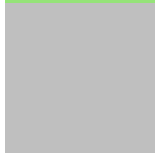
161, 199, 219

Monochromacy



Original Color

120, 227, 198



Achromatopsia

191, 191, 191



Achromatomaly

165, 204, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 227, 198 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(149, 227, 120)` looks like.

```
.text, #text, p{  
    color:rgb(149, 227, 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(149, 227, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 227, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 227, 198 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(149, 227, 120) }
```

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

```
.border{ border-color:rgb(149, 227, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 227, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 227, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 227, 120);  
box-shadow:4px 4px 4px 4px rgb(149, 227,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 227, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 227, 120) }
```

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

```
.background{ background-color: rgb(149,  
227, 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](#).

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