

Converting Colors

`RYB(117, 226, 195)`

Have a look what the booklet for
RYB(117, 226, 195) contains.

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Color

R_YB(117, 226, 195)

Conversions

Conversions Part 1

Format	Color
Hex	94E275
RGB	148, 226, 117
RGB Percent	58%, 89%, 46%
CMY	0.4196, 0.1137, 0.5412
CMYK	0.35, 0.00, 0.48, 0.11
HSL	103°, 65%, 67%
HSV	103°, 48%, 89%
XYZ	42.6200, 61.9730, 26.5453
YIQ	190.2520, -11.4990, -50.4350

Conversions

Conversions Part 2

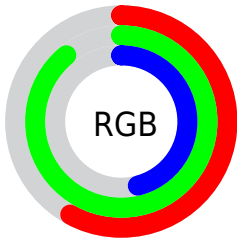
Format	Color
RYB	117, 226, 195
Decimal	9757301
CIELab	82.90, -43.59, 45.57
CIElCh	83, 63.062, 133.723
Yxy	61.9730, 0.3250, 0.4726
Android (android.graphics.Color)	4287947381 (0xFF94E275)
YUV	190.2520, -36.1132, -37.0550
Hunter-Lab	78.7229, -41.1266, 35.1135

Details

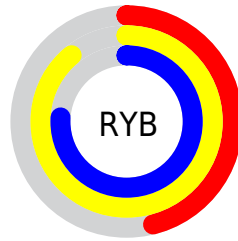
The RYB color **117, 226, 195** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **195, 117, 226**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **171, 255, 221**, and **65, 170, 142** is the 20% darker color. If you saturate the color by 10%, you get **94, 226, 188**, and if you desaturate by 10%, it is **140, 226, 202**.

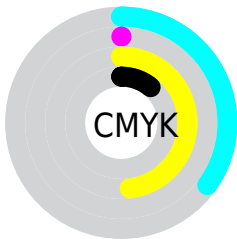
Distribution



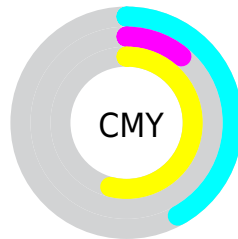
- Red (58%)
- Green (89%)
- Blue (46%)



- Red (46%)
- Yellow (89%)
- Blue (76%)



- Cyan (35%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)



- Cyan (42%)
- Magenta (11%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 226, 195 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 117, 226, 195 by changing the saturation by 10% instead.

 117, 226, 195


255, 255, 255


 171, 255, 221

 199, 255, 220


 227, 255, 227

 117, 226, 195

 91, 198, 169

 65, 170, 142


 39, 143, 117

 8, 117, 91

 0, 92, 92

 0, 67, 67

 0, 45, 45

 0, 18, 18

 0, 0, 0

 117, 226, 195

 117, 226, 195

 94, 226, 188

 140, 226, 202

 72, 226, 182

 162, 226, 208

 49, 226, 176

 185, 226, 214

 27, 226, 170

 207, 226, 220

 4, 226, 163

 229, 226, 230

 0, 226, 162

 245, 226, 253

 255, 226, 255

Harmonies

Analogous

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



87, 214, 85



117, 226, 195



27, 149, 234

Triad

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



117, 226, 195



0, 119, 255



255, 155, 181

Complementary

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



117, 226, 195



195, 117, 226

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, 160, 241



117, 226, 195



153, 187, 255

Square

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



117, 226, 195



0, 122, 255



246, 180, 255



255, 192, 127

Rectangle

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



117, 226, 195



0, 124, 236



246, 180, 255



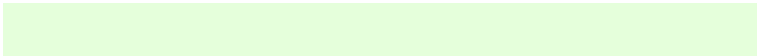
255, 155, 201

Sweetspot

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



117, 226, 195



219, 255, 245



164, 226, 117



106, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



117, 226, 195



107, 255, 213



117, 208, 226



101, 112, 109



0, 176, 126



0, 48, 34

Inverse Universe

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



195, 117, 226



213, 107, 255



226, 117, 204



109, 101, 112



126, 0, 176



35, 0, 48

Previews

White Background



This preview shows how the RYB color 117, 226, 195 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 117, 226, 195 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 117, 226, 195 Background



This preview shows how black text looks on a background with the RYB color 117, 226, 195.

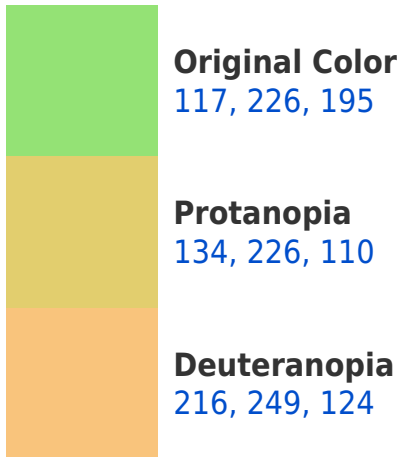


This preview shows how white text looks on a background with the RYB color 117, 226, 195.

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
167, 194, 230

Trichromacy



Original Color

117, 226, 195



Protanomaly

113, 213, 128



Deuteranomaly

126, 212, 121



Tritanomaly

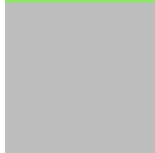
160, 199, 218

Monochromacy



Original Color

117, 226, 195



Achromatopsia

190, 190, 190



Achromatomaly

163, 203, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 226, 195 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(148, 226, 117)` looks like.

```
.text, #text, p{  
    color:rgb(148, 226, 117)  
}
```

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(148, 226, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 226, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 226, 195 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(148, 226, 117) }
```

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

```
.border{ border-color:rgb(148, 226, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 226, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 226, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 226, 117); box-shadow:4px 4px 4px 4px rgb(148, 226, 117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 226, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 226, 117) }
```

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

```
.background{ background-color: rgb(148,  
226, 117) }
```

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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