

Converting Colors

`RYB(145, 226, 213)`

Have a look what the booklet for
RYB(145, 226, 213) contains.

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Color

$\text{RYB}(145, 226, 213)$

Conversions

Conversions Part 1

Format	Color
Hex	9EE291
RGB	158, 226, 145
RGB Percent	62%, 89%, 57%
CMY	0.3804, 0.1137, 0.4314
CMYK	0.30, 0.00, 0.36, 0.11
HSL	110°, 58%, 73%
HSV	110°, 36%, 89%
XYZ	46.4077, 63.7061, 36.6386
YIQ	196.4340, -14.5270, -39.6070

Conversions

Conversions Part 2

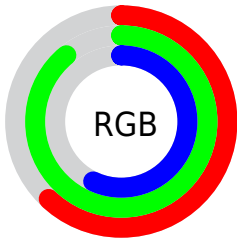
Format	Color
RYB	145, 226, 213
Decimal	10412689
CIELab	83.81, -36.51, 32.98
CIELCh	84, 49.198, 137.904
Yxy	63.7061, 0.3162, 0.4341
Android (android.graphics.Color)	4288602769 (0xFF9EE291)
YUV	196.4340, -25.3570, -33.7066
Hunter-Lab	79.8161, -35.8924, 28.6549

Details

The RYB color **145, 226, 213** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **213, 145, 226**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **200, 255, 241**, and **93, 170, 159** is the 20% darker color. If you saturate the color by 10%, you get **122, 226, 209**, and if you desaturate by 10%, it is **168, 226, 217**.

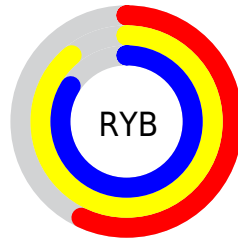
Distribution



Red (62%)

Green (89%)

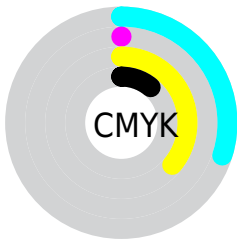
Blue (57%)



Red (57%)

Yellow (89%)

Blue (84%)

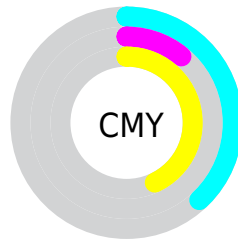


Cyan (30%)

Magenta (0%)

Yellow (36%)

Black (11%)



Cyan (38%)

Magenta (11%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 145, 226, 213 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 145, 226, 213 by changing the saturation by 10% instead.

 145, 226, 213


255, 255, 255


 200, 255, 241


 228, 255, 240


 145, 226, 213


 119, 198, 186

 93, 170, 159

 69, 143, 135

 45, 117, 111

 21, 92, 92

 0, 68, 68

 0, 45, 45

 0, 22, 22

 0, 0, 0

 145, 226, 213

 145, 226, 213

 122, 226, 209

 168, 226, 217

 100, 226, 206

 190, 226, 220

 77, 226, 202

 213, 226, 224

 55, 226, 199

 234, 226, 235

 32, 226, 195

 253, 226, 255

 9, 226, 191

 255, 226, 255

 0, 226, 190

Harmonies

Analogous

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



119, 215, 123



145, 226, 213



92, 175, 232

Triad

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



145, 226, 213



97, 166, 255



255, 173, 183

Complementary

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



145, 226, 213



213, 145, 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, 174, 230



145, 226, 213



185, 200, 255

Square

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



145, 226, 213



0, 121, 255



248, 187, 255



255, 209, 142

Rectangle

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



145, 226, 213



2, 121, 233



248, 187, 255



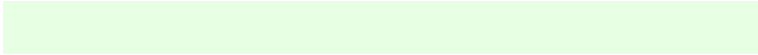
255, 172, 198

Sweetspot

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



145, 226, 213



227, 255, 251



162, 226, 145



111, 128, 125



0, 0, 0



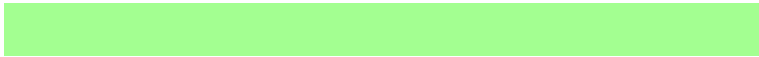
128, 128, 128

Same Dimension

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



145, 226, 213



145, 255, 237



145, 206, 226



101, 112, 110



0, 176, 148



0, 48, 40

Inverse Universe

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



213, 145, 226



237, 145, 255



226, 145, 199



110, 101, 112



148, 0, 176



41, 0, 48

Previews

White Background



This preview shows how the RYB color 145, 226, 213 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 145, 226, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

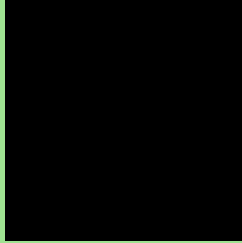
Any Text WCAG AA ✓ Pass

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 145, 226, 213 Background



This preview shows how black text looks on a background with the RYB color 145, 226, 213.

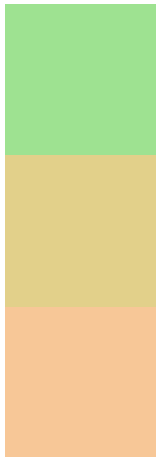


This preview shows how white text looks on a background with the RYB color 145, 226, 213.

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](#).

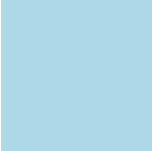
Dichromacy



Original Color
145, 226, 213

Protanopia
161, 226, 138

Deuteranopia
247, 247, 151



Tritanopia
173, 198, 232

Trichromacy



Original Color

145, 226, 213



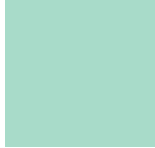
Protanomaly

141, 215, 155



Deuteranomaly

156, 215, 149



Tritanomaly

168, 199, 219

Monochromacy



Original Color

145, 226, 213



Achromatopsia

196, 196, 196



Achromatomaly

177, 207, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 226, 213 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(158, 226, 145)` looks like.

```
.text, #text, p{  
    color:rgb(158, 226, 145)  
}
```

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(158, 226, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 226, 145) }
```

Border

The CSS property to change the border of an element to RYB 145, 226, 213 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(158, 226, 145) }
```

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

```
.border{ border-color:rgb(158, 226, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 226, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 226, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 226, 145);  
box-shadow:4px 4px 4px 4px rgb(158, 226,  
145) }
```

Background

The CSS property to change the background color of an element to RYB 145, 226, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 226, 145) }
```

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

```
.background{ background-color: rgb(158,  
226, 145) }
```

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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