

Converting Colors

`RYB(145, 212, 204)`

Have a look what the booklet for
RYB(145, 212, 204) contains.

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Color

R_YB(145, 212, 204)

Conversions

Conversions Part 1

Format	Color
Hex	99D491
RGB	153, 212, 145
RGB Percent	60%, 83%, 57%
CMY	0.4000, 0.1686, 0.4314
CMYK	0.28, 0.00, 0.32, 0.17
HSL	113°, 44%, 70%
HSV	113°, 32%, 83%
XYZ	41.7912, 55.9036, 35.3759
YIQ	186.7210, -13.6570, -33.3450

Conversions

Conversions Part 2

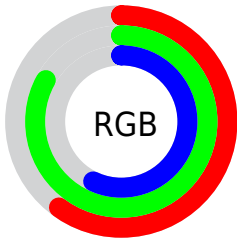
Format	Color
RYB	145, 212, 204
Decimal	10081425
CIELab	79.56, -31.69, 27.26
CIElCh	80, 41.801, 139.290
Yxy	55.9036, 0.3141, 0.4201
Android (android.graphics.Color)	4288271505 (0xFF99D491)
YUV	186.7210, -20.5685, -29.5733
Hunter-Lab	74.7687, -31.0745, 24.2858

Details

The RYB color **145, 212, 204** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **204, 145, 212**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **199, 255, 245**, and **94, 157, 151** is the 20% darker color. If you saturate the color by 10%, you get **124, 212, 202**, and if you desaturate by 10%, it is **166, 212, 206**.

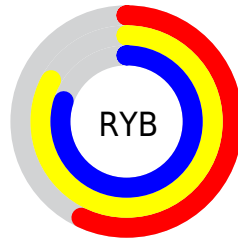
Distribution



Red (60%)

Green (83%)

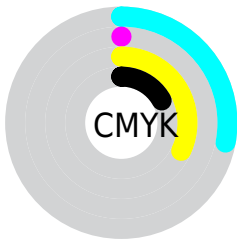
Blue (57%)



Red (57%)

Yellow (83%)

Blue (80%)

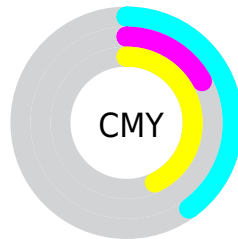


Cyan (28%)

Magenta (0%)

Yellow (32%)

Black (17%)



Cyan (40%)

Magenta (17%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 145, 212, 204 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, 212, 204 by changing the saturation by 10% instead.


 145, 212, 204


255, 255, 255


 199, 255, 245


 227, 255, 245

 145, 212, 204

 119, 184, 177


 94, 157, 151

 70, 131, 127

 46, 105, 102

 22, 79, 81

 0, 57, 57

 0, 36, 36

 0, 0, 0

 145, 212, 204

 145, 212, 204

 124, 212, 202

 166, 212, 206

 103, 212, 199

 187, 212, 209

 81, 212, 196

 209, 212, 212

 60, 212, 194

 228, 212, 230

 39, 212, 191

 246, 212, 251

 18, 212, 189

 255, 212, 255

 0, 212, 187

Harmonies

Analogous

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



122, 203, 127



145, 212, 204



103, 171, 217

Triad

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



145, 212, 204



116, 170, 255



255, 168, 173

Complementary

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



145, 212, 204



204, 145, 212

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, 168, 213



145, 212, 204



181, 191, 255

Square

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



145, 212, 204



47, 140, 255



232, 178, 248



255, 195, 140

Rectangle

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



145, 212, 204



65, 144, 218



232, 178, 248



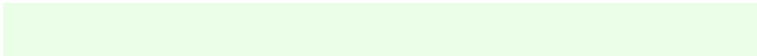
255, 167, 186

Sweetspot

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



145, 212, 204



232, 255, 252



155, 212, 145



113, 128, 126



0, 0, 0



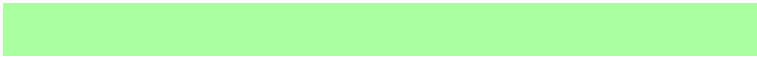
128, 128, 128

Same Dimension

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



145, 212, 204



158, 255, 243



145, 194, 212



96, 107, 105



0, 171, 151



0, 43, 38

Inverse Universe

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



204, 145, 212



243, 158, 255



212, 145, 187



106, 96, 107



150, 0, 171



38, 0, 43

Previews

White Background



This preview shows how the RYB color 145, 212, 204 looks on a white background.

Color Contrast Check

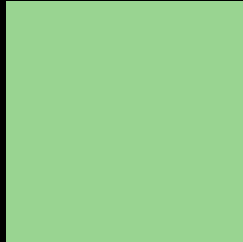
Large Text (above 18pt) WCAG AA × Fail

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, 212, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

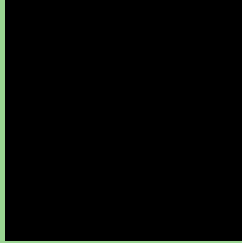
Any Text WCAG AA ✓ Pass

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](#).

R/Y/B 145, 212, 204 Background



This preview shows how black text looks on a background with the R/Y/B color 145, 212, 204.



This preview shows how white text looks on a background with the R/Y/B color 145, 212, 204.

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, 212, 204

Protanopia
158, 212, 138

Deuteranopia
231, 222, 150



Tritanopia
166, 188, 219

Trichromacy



Original Color

145, 212, 204



Protanomaly

141, 202, 152



Deuteranomaly

155, 203, 148



Tritanomaly

161, 188, 206

Monochromacy



Original Color

145, 212, 204



Achromatopsia

187, 187, 187



Achromatomaly

172, 196, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 145, 212, 204 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(153, 212, 145)` looks like.

```
.text, #text, p{  
    color:rgb(153, 212, 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(153, 212, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 212, 145) }
```

Border

The CSS property to change the border of an element to RYB 145, 212, 204 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(153, 212, 145) }
```

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

```
.border{ border-color:rgb(153, 212, 145) }
```

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

Here you see how a box with a 4 pixel rgb(153, 212, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 212, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 212, 145);  
box-shadow:4px 4px 4px 4px rgb(153, 212,  
145) }
```

Background

The CSS property to change the background color of an element to RYB 145, 212, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 212, 145) }
```

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

```
.background{ background-color: rgb(153,  
212, 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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