

Converting Colors

`RYB(115, 229, 153)`

Have a look what the booklet for
RYB(115, 229, 153) contains.

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Color

R_YB(115, 229, 153)

Conversions

Conversions Part 1

Format	Color
Hex	BFE573
RGB	191, 229, 115
RGB Percent	75%, 90%, 45%
CMY	0.2510, 0.1020, 0.5490
CMYK	0.17, 0.00, 0.50, 0.10
HSL	80°, 69%, 67%
HSV	80°, 50%, 90%
XYZ	52.5997, 68.3528, 26.6408
YIQ	204.6420, 13.9460, -43.5100

Conversions

Conversions Part 2

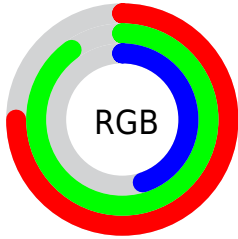
Format	Color
RYB	115, 229, 153
Decimal	12576115
CIELab	86.18, -29.94, 51.09
CIELCh	86, 59.212, 120.371
Yxy	68.3528, 0.3564, 0.4631
Android (android.graphics.Color)	4290766195 (0xFFBFE573)
YUV	204.6420, -44.1935, -11.9640
Hunter-Lab	82.6757, -31.1179, 38.7679

Details

The RYB color **115, 229, 153** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **153, 115, 229**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **169, 255, 175**, and **62, 173, 100** is the 20% darker color. If you saturate the color by 10%, you get **92, 229, 138**, and if you desaturate by 10%, it is **138, 229, 168**.

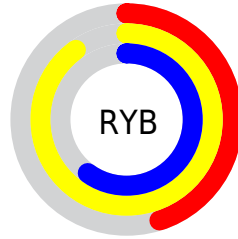
Distribution



Red (75%)

Green (90%)

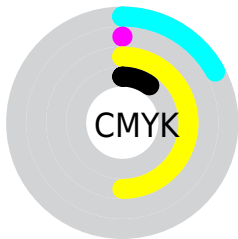
Blue (45%)



Red (45%)

Yellow (90%)

Blue (60%)

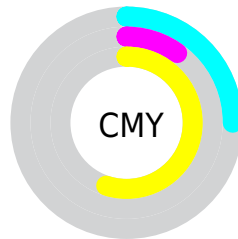


Cyan (17%)

Magenta (0%)

Yellow (50%)

Black (10%)



Cyan (25%)

Magenta (10%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 115, 229, 153 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 115, 229, 153 by changing the saturation by 10% instead.

 115, 229, 153

255, 255, 255


 169, 255, 175

 197, 255, 197


 226, 255, 226

 115, 229, 153

 89, 201, 127

 62, 173, 100


 35, 147, 74

 0, 121, 39

 0, 96, 41

 0, 72, 43

 0, 49, 49

 0, 30, 30

 0, 0, 0

■ 115, 229, 153

■ 115, 229, 153

■ 92, 229, 138

■ 138, 229, 168

■ 69, 229, 122

■ 161, 229, 184

■ 46, 229, 107

■ 184, 229, 199

■ 23, 229, 92

■ 207, 229, 214

■ 0, 229, 76

■ 229, 229, 230

■ 237, 229, 252

■ 244, 229, 255

■ 252, 229, 255

■ 255, 229, 255

Harmonies

Analogous

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



146, 248, 100



115, 229, 153



119, 210, 239

Triad

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



115, 229, 153



0, 123, 255



255, 168, 217

Complementary

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



115, 229, 153



153, 115, 229

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, 180, 255



115, 229, 153



116, 176, 255

Square

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



115, 229, 153



0, 124, 255



220, 201, 255



255, 176, 162

Rectangle

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



115, 229, 153



28, 149, 243



220, 201, 255



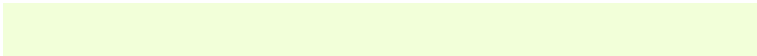
255, 170, 236

Sweetspot

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



115, 229, 153



217, 255, 230



229, 172, 115



105, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



115, 229, 153



102, 255, 153



115, 229, 210



103, 115, 107



0, 179, 60



0, 51, 17

Inverse Universe

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



153, 115, 229



153, 102, 255



210, 115, 229



107, 103, 115



59, 0, 179



17, 0, 51

Previews

White Background



This preview shows how the RYB color 115, 229, 153 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 115, 229, 153 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 115, 229, 153 Background



This preview shows how black text looks on a background with the RYB color 115, 229, 153.

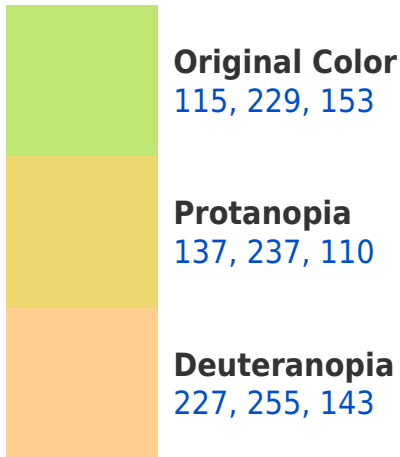


This preview shows how white text looks on a background with the RYB color 115, 229, 153.

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
206, 213, 233

Trichromacy



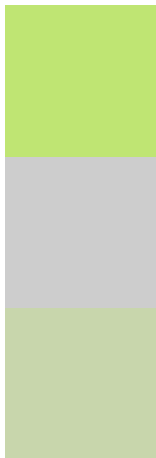
Original Color
115, 229, 153

Protanomaly
112, 220, 112

Deuteranomaly
154, 232, 133

Tritanomaly
190, 221, 210

Monochromacy



Original Color
115, 229, 153

Achromatopsia
205, 205, 205

Achromatomaly
172, 214, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 115, 229, 153 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(191, 229, 115)` looks like.

```
.text, #text, p{  
    color:rgb(191, 229, 115)  
}
```

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(191, 229, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 229, 115) }
```

Border

The CSS property to change the border of an element to RYB 115, 229, 153 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(191, 229, 115) }
```

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

```
.border{ border-color:rgb(191, 229, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 229, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 229, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 229, 115);  
box-shadow:4px 4px 4px 4px rgb(191, 229,  
115) }
```

Background

The CSS property to change the background color of an element to RYB 115, 229, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 229, 115) }
```

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

```
.background{ background-color: rgb(191,  
229, 115) }
```

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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