

Converting Colors

`RYB(110, 237, 159)`

Have a look what the booklet for
RYB(110, 237, 159) contains.

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Color

R_YB(110, 237, 159)

Conversions

Conversions Part 1

Format	Color
Hex	BCED6E
RGB	188, 237, 110
RGB Percent	74%, 93%, 43%
CMY	0.2627, 0.0706, 0.5686
CMYK	0.21, 0.00, 0.54, 0.07
HSL	83°, 78%, 68%
HSV	83°, 54%, 93%
XYZ	53.8377, 72.3855, 25.8861
YIQ	207.8710, 11.5630, -49.8850

Conversions

Conversions Part 2

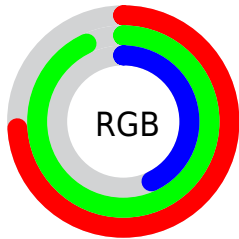
Format	Color
RYB	110, 237, 159
Decimal	12381550
CIELab	88.15, -35.24, 55.68
CIELCh	88, 65.892, 122.330
Yxy	72.3855, 0.3539, 0.4759
Android (android.graphics.Color)	4290571630 (0xFFBCED6E)
YUV	207.8710, -48.2504, -17.4269
Hunter-Lab	85.0797, -35.9362, 41.5164

Details

The RYB color **110, 237, 159** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **159, 110, 237**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **165, 255, 174**, and **56, 181, 105** is the 20% darker color. If you saturate the color by 10%, you get **86, 237, 144**, and if you desaturate by 10%, it is **134, 237, 174**.

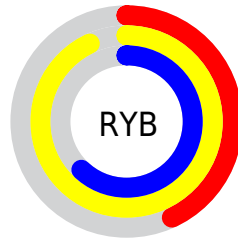
Distribution



Red (74%)

Green (93%)

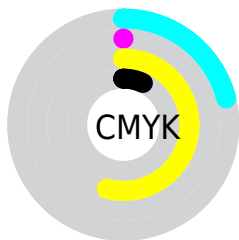
Blue (43%)



Red (43%)

Yellow (93%)

Blue (62%)

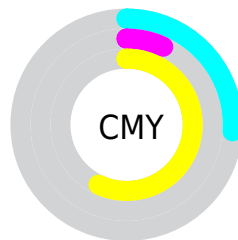


Cyan (21%)

Magenta (0%)

Yellow (54%)

Black (7%)



Cyan (26%)

Magenta (7%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 110, 237, 159 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 110, 237, 159 by changing the saturation by 10% instead.

 110, 237, 159

255, 255, 255

 165, 255, 174


 193, 255, 193

 221, 255, 221


 251, 255, 251


 110, 237, 159

 83, 209, 132

 56, 181, 105


 26, 154, 76

 0, 128, 51

 0, 102, 52

 0, 78, 58

 0, 54, 54

 0, 35, 35

 0, 0, 0

■ 110, 237, 159

■ 110, 237, 159

■ 86, 237, 144

■ 134, 237, 174

■ 63, 237, 130

■ 157, 237, 188

■ 39, 237, 115

■ 181, 237, 203

■ 15, 237, 101

■ 205, 237, 217

■ 0, 237, 91

■ 228, 237, 231

■ 243, 237, 252

■ 252, 237, 255

■ 255, 237, 255

Harmonies

Analogous

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



131, 252, 90



110, 237, 159



101, 206, 248

Triad

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



110, 237, 159



0, 124, 255



255, 167, 219

Complementary

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



110, 237, 159



159, 110, 237

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, 179, 255



110, 237, 159



109, 174, 255

Square

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



110, 237, 159



0, 126, 255



231, 203, 255



255, 179, 157

Rectangle

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



110, 237, 159



0, 140, 252



231, 203, 255



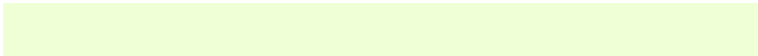
255, 168, 240

Sweetspot

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



110, 237, 159



214, 255, 230



237, 190, 110



103, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



110, 237, 159



92, 255, 155



110, 237, 222



106, 117, 110



0, 181, 70



0, 54, 21

Inverse Universe

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



159, 110, 237



155, 92, 255



222, 110, 237



110, 106, 117



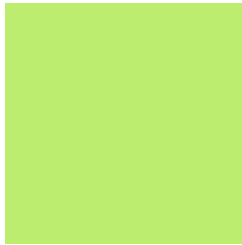
70, 0, 181



21, 0, 54

Previews

White Background



This preview shows how the RYB color 110, 237, 159 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 110, 237, 159 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 110, 237, 159 Background



This preview shows how black text looks on a background with the RYB color 110, 237, 159.

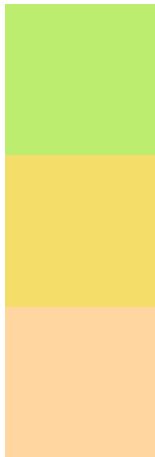


This preview shows how white text looks on a background with the RYB color 110, 237, 159.

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
110, 237, 159

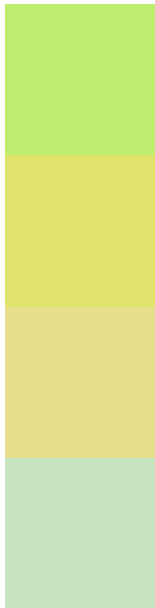
Protanopia
133, 244, 105

Deuteranopia
232, 255, 160



Tritanopia
205, 217, 241

Trichromacy



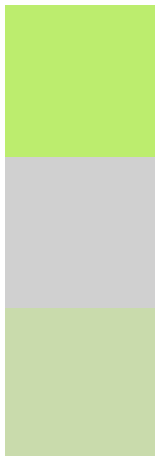
Original Color
110, 237, 159

Protanomaly
107, 227, 110

Deuteranomaly
152, 231, 142

Tritanomaly
193, 228, 222

Monochromacy



Original Color
110, 237, 159

Achromatopsia
208, 208, 208

Achromatomaly
172, 219, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 110, 237, 159 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(188, 237, 110)` looks like.

```
.text, #text, p{  
    color:rgb(188, 237, 110)  
}
```

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(188, 237, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 237, 110) }
```

Border

The CSS property to change the border of an element to RYB 110, 237, 159 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(188, 237, 110) }
```

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

```
.border{ border-color:rgb(188, 237, 110) }
```

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

Here you see how a box with a 4 pixel rgb(188, 237, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 237, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 237, 110);  
box-shadow:4px 4px 4px 4px rgb(188, 237,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 110, 237, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 237, 110) }
```

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

```
.background{ background-color: rgb(188,  
237, 110) }
```

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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