

Converting Colors

`RYB(113, 231, 123)`

Have a look what the booklet for
RYB(113, 231, 123) contains.

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Color

`RYB(113, 231, 123)`

Conversions

Conversions Part 1

Format	Color
Hex	DDE771
RGB	221, 231, 113
RGB Percent	87%, 91%, 44%
CMY	0.1333, 0.0941, 0.5569
CMYK	0.04, 0.00, 0.51, 0.09
HSL	65°, 71%, 67%
HSV	65°, 51%, 91%
XYZ	61.3753, 73.7162, 26.6166
YIQ	214.5580, 31.9180, -38.8180

Conversions

Conversions Part 2

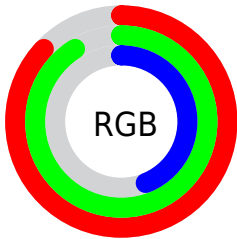
Format	Color
RYB	113, 231, 123
Decimal	14542705
CIELab	88.79, -19.50, 55.62
CIELCh	89, 58.937, 109.324
Yxy	73.7162, 0.3795, 0.4559
Android (android.graphics.Color)	4292732785 (0xFFDDE771)
YUV	214.5580, -50.0681, 5.6496
Hunter-Lab	85.8582, -22.6518, 41.7204

Details

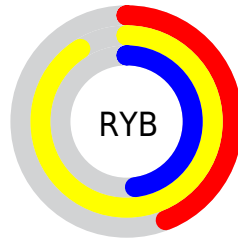
The RYB color **113, 231, 123** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **123, 113, 231**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **168, 255, 168**, and **60, 176, 72** is the 20% darker color. If you saturate the color by 10%, you get **90, 231, 102**, and if you desaturate by 10%, it is **136, 231, 144**.

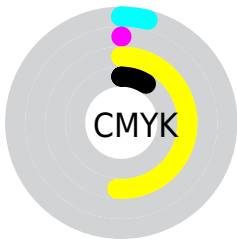
Distribution



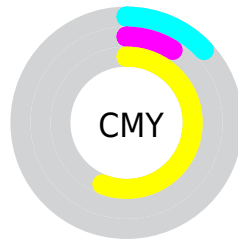
- Red (87%)
- Green (91%)
- Blue (44%)



- Red (44%)
- Yellow (91%)
- Blue (48%)



- Cyan (4%)
- Magenta (0%)
- Yellow (51%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 231, 123 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 113, 231, 123 by changing the saturation by 10% instead.

 113, 231, 123

255, 255, 255

 168, 255, 168


 196, 255, 196


 224, 255, 224


254, 255, 254

 113, 231, 123

 86, 203, 97

 60, 176, 72


 31, 149, 44

 0, 123, 14

 0, 98, 16

 0, 75, 18

 0, 52, 22

 0, 31, 31

 0, 0, 0

■ 113, 231, 123

■ 113, 231, 123

■ 90, 231, 102

■ 136, 231, 144

■ 67, 231, 81

■ 159, 231, 165

■ 44, 231, 60

■ 182, 231, 186

■ 21, 231, 39

■ 205, 231, 207

■ 0, 231, 20

■ 229, 231, 229

■ 233, 231, 252

■ 235, 231, 255

■ 237, 231, 255

■ 239, 231, 255

Harmonies

Analogous

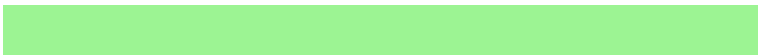
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



170, 255, 111



113, 231, 123



147, 244, 235

Triad

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



113, 231, 123



0, 125, 255



255, 178, 246

Complementary

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



113, 231, 123



123, 113, 231

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, 194, 255



113, 231, 123



66, 155, 255

Square

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



113, 231, 123



0, 127, 255



196, 211, 255



255, 178, 189

Rectangle

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



113, 231, 123



99, 196, 249



196, 211, 255



255, 182, 255

Sweetspot

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



113, 231, 123



217, 255, 220



231, 124, 113



105, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



113, 231, 123



99, 255, 112



113, 231, 182



103, 115, 104



0, 179, 16



0, 51, 4

Inverse Universe

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



123, 113, 231



113, 99, 255



182, 113, 231



104, 103, 115



15, 0, 179



4, 0, 51

Previews

White Background



This preview shows how the RYB color 113, 231, 123 looks on a white background.

Color Contrast Check

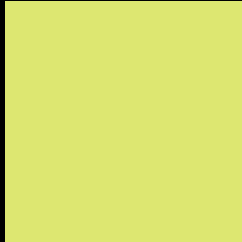
Large Text (above 18pt) WCAG AA × Fail

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 113, 231, 123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

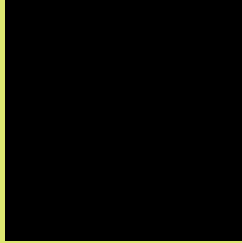
Any Text WCAG AA ✓ Pass

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 113, 231, 123 Background



This preview shows how black text looks on a background with the RYB color 113, 231, 123.

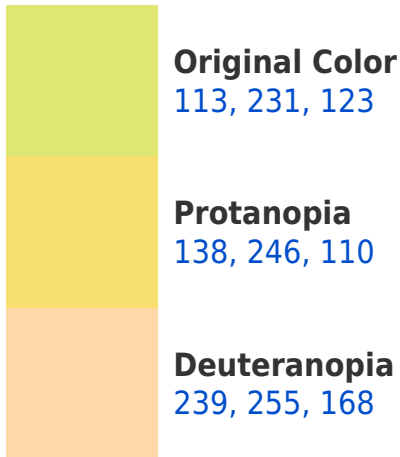


This preview shows how white text looks on a background with the RYB color 113, 231, 123.

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

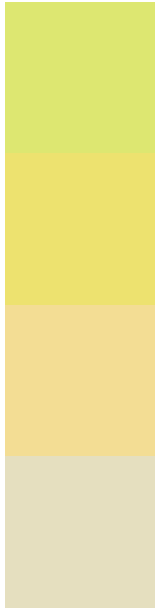




Tritanopia

234, 218, 235

Trichromacy



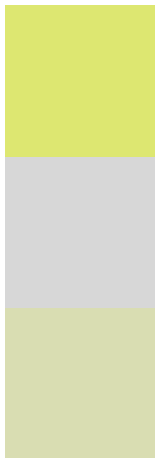
Original Color
113, 231, 123

Protanomaly
123, 237, 111

Deuteranomaly
177, 243, 148

Tritanomaly
198, 229, 191

Monochromacy



Original Color
113, 231, 123

Achromatopsia
215, 215, 215

Achromatomaly
178, 221, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 231, 123 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(221, 231, 113)` looks like.

```
.text, #text, p{  
    color:rgb(221, 231, 113)  
}
```

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(221, 231, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 231, 113) }
```

Border

The CSS property to change the border of an element to RYB 113, 231, 123 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(221, 231, 113) }
```

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

```
.border{ border-color:rgb(221, 231, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 231, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 231, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 231, 113);  
box-shadow:4px 4px 4px 4px rgb(221, 231,  
113) }
```

Background

The CSS property to change the background color of an element to RYB 113, 231, 123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 231, 113) }
```

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

```
.background{ background-color: rgb(221,  
231, 113) }
```

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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