

Converting Colors

`RYB(105, 229, 142)`

Have a look what the booklet for
RYB(105, 229, 142) contains.

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Color

R_YB(105, 229, 142)

Conversions

Conversions Part 1

Format	Color
Hex	C0E569
RGB	192, 229, 105
RGB Percent	75%, 90%, 41%
CMY	0.2471, 0.1020, 0.5882
CMYK	0.16, 0.00, 0.54, 0.10
HSL	78°, 70%, 65%
HSV	78°, 54%, 90%
XYZ	52.3073, 68.2650, 23.7842
YIQ	203.8010, 17.7520, -46.4080

Conversions

Conversions Part 2

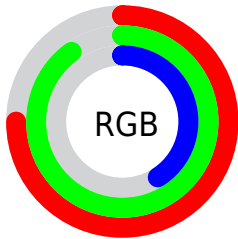
Format	Color
RYB	105, 229, 142
Decimal	12641641
CIELab	86.14, -30.51, 55.65
CIElCh	86, 63.466, 118.733
Yxy	68.2650, 0.3623, 0.4729
Android (android.graphics.Color)	4290831721 (0xFFC0E569)
YUV	203.8010, -48.7089, -10.3495
Hunter-Lab	82.6226, -31.5836, 40.7683

Details

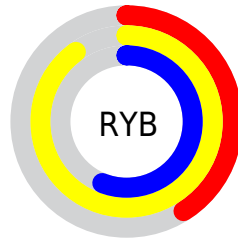
The RYB color **105, 229, 142** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **142, 105, 229**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **159, 255, 164**, and **51, 173, 88** is the 20% darker color. If you saturate the color by 10%, you get **82, 229, 126**, and if you desaturate by 10%, it is **128, 229, 158**.

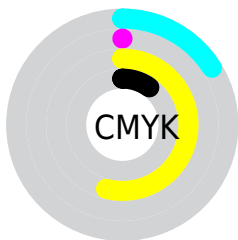
Distribution



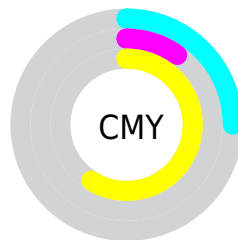
- Red (75%)
- Green (90%)
- Blue (41%)



- Red (41%)
- Yellow (90%)
- Blue (56%)



- Cyan (16%)
- Magenta (0%)
- Yellow (54%)
- Black (10%)



- Cyan (25%)
- Magenta (10%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 229, 142 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 105, 229, 142 by changing the saturation by 10% instead.

 105, 229, 142

255, 255, 255

 159, 255, 164


 187, 255, 187


 216, 255, 216


 245, 255, 245


 105, 229, 142

 78, 201, 115

 51, 173, 88


 20, 147, 58

 0, 121, 39

 0, 96, 41

 0, 72, 44

 0, 49, 49

 0, 30, 30

 0, 0, 0

105, 229, 142

105, 229, 142

82, 229, 126

128, 229, 158

59, 229, 110

151, 229, 174

36, 229, 93

174, 229, 191

13, 229, 77

197, 229, 207

0, 229, 68

219, 229, 222

233, 229, 242

240, 229, 255

247, 229, 255

253, 229, 255

Harmonies

Analogous

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



145, 252, 90



105, 229, 142



114, 212, 240

Triad

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



105, 229, 142



0, 123, 255



255, 164, 221

Complementary

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



105, 229, 142



142, 105, 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, 177, 255



105, 229, 142



89, 163, 255

Square

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



105, 229, 142



0, 125, 255



215, 201, 255



255, 171, 161

Rectangle

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



105, 229, 142



0, 137, 244



215, 201, 255



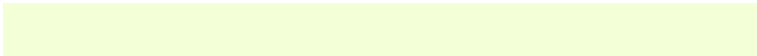
255, 166, 241

Sweetspot

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



105, 229, 142



214, 255, 226



229, 154, 105



103, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



105, 229, 142



89, 255, 138



105, 229, 202



103, 115, 107



0, 179, 54



0, 51, 15

Inverse Universe

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



142, 105, 229



139, 89, 255



202, 105, 229



107, 103, 115



53, 0, 179



15, 0, 51

Previews

White Background



This preview shows how the RYB color 105, 229, 142 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 105, 229, 142 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 105, 229, 142 Background



This preview shows how black text looks on a background with the RYB color 105, 229, 142.

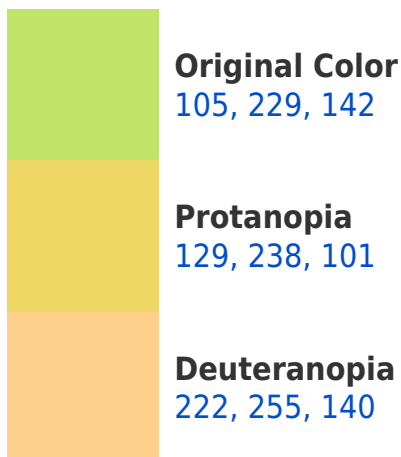


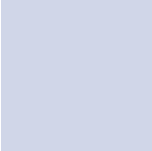
This preview shows how white text looks on a background with the RYB color 105, 229, 142.

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
208, 213, 232

Trichromacy



Original Color

105, 229, 142

Protanomaly

103, 221, 102

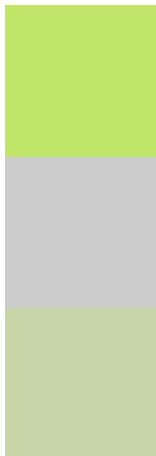
Deuteranomaly

147, 232, 127

Tritanomaly

186, 220, 204

Monochromacy



Original Color

105, 229, 142

Achromatopsia

204, 204, 204

Achromatomaly

168, 213, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 229, 142 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(192, 229, 105)` looks like.

```
.text, #text, p{  
    color:rgb(192, 229, 105)  
}
```

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(192, 229, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 229, 105) }
```

Border

The CSS property to change the border of an element to RYB 105, 229, 142 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(192, 229, 105) }
```

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

```
.border{ border-color:rgb(192, 229, 105) }
```

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

Here you see how a box with a 4 pixel rgb(192, 229, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 229, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 229, 105);  
box-shadow:4px 4px 4px 4px rgb(192, 229,  
105) }
```

Background

The CSS property to change the background color of an element to RGB 192, 229, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 229, 105) }
```

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

```
.background{ background-color: rgb(192,  
229, 105) }
```

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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