

Converting Colors

`RYB(142, 225, 170)`

Have a look what the booklet for
RYB(142, 225, 170) contains.

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Color

R_YB(142, 225, 170)

Conversions

Conversions Part 1

Format	Color
Hex	C5E18E
RGB	197, 225, 142
RGB Percent	77%, 88%, 56%
CMY	0.2275, 0.1176, 0.4431
CMYK	0.12, 0.00, 0.37, 0.12
HSL	80°, 58%, 72%
HSV	80°, 37%, 88%
XYZ	54.8337, 67.6737, 35.7635
YIQ	207.1660, 9.9550, -31.7490

Conversions

Conversions Part 2

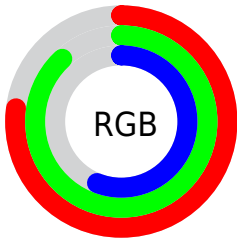
Format	Color
RYB	142, 225, 170
Decimal	12968334
CIELab	85.84, -22.74, 37.60
CIELCh	86, 43.942, 121.169
Yxy	67.6737, 0.3465, 0.4276
Android (android.graphics.Color)	4291158414 (0xFFC5E18E)
YUV	207.1660, -32.1268, -8.9156
Hunter-Lab	82.2640, -24.9817, 31.8091

Details

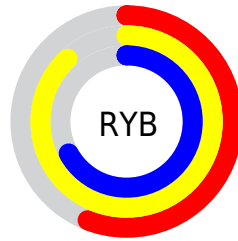
The RYB color **142, 225, 170** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **170, 142, 225**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **197, 255, 197**, and **90, 170, 118** is the 20% darker color. If you saturate the color by 10%, you get **119, 225, 155**, and if you desaturate by 10%, it is **165, 225, 185**.

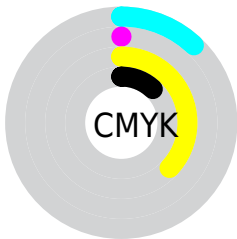
Distribution



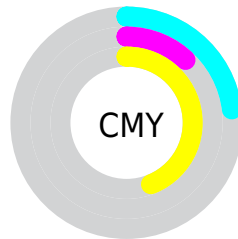
- Red (77%)
- Green (88%)
- Blue (56%)



- Red (56%)
- Yellow (88%)
- Blue (67%)



- Cyan (12%)
- Magenta (0%)
- Yellow (37%)
- Black (12%)



- Cyan (23%)
- Magenta (12%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 142, 225, 170 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 142, 225, 170 by changing the saturation by 10% instead.

 142, 225, 170

255, 255, 255


 197, 255, 197


 225, 255, 225


254, 255, 254

 142, 225, 170


 116, 197, 144

 90, 170, 118

 66, 143, 93

 41, 117, 68

 16, 93, 44

 0, 69, 28

 0, 46, 30

 0, 28, 28

 0, 0, 0

 142, 225, 170

 142, 225, 170

 119, 225, 155

 165, 225, 185

 97, 225, 140

 187, 225, 200

 75, 225, 126

 210, 225, 215

 52, 225, 110

 227, 225, 232

 30, 225, 96

 235, 225, 255

 7, 225, 81

 243, 225, 255

 0, 225, 76

 250, 225, 255

 255, 225, 255

Harmonies

Analogous

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



169, 241, 131



142, 225, 170



147, 213, 233

Triad

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



142, 225, 170



85, 163, 255



255, 182, 215

Complementary

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



142, 225, 170



170, 142, 225

Split Complementary

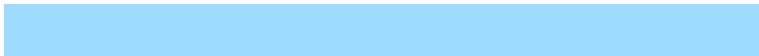
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 189, 255



142, 225, 170



157, 195, 255

Square

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



142, 225, 170



43, 144, 255



222, 203, 255



255, 188, 174

Rectangle

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



142, 225, 170



111, 184, 236



222, 203, 255



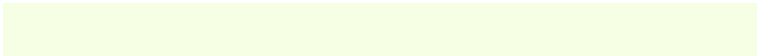
255, 184, 229

Sweetspot

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



142, 225, 170



227, 255, 236



225, 184, 142



111, 128, 117



0, 0, 0



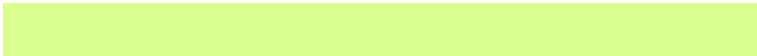
128, 128, 128

Same Dimension

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



142, 225, 170



143, 255, 181



142, 225, 211



101, 112, 105



0, 176, 59



0, 48, 16

Inverse Universe

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



170, 142, 225



181, 143, 255



211, 142, 225



105, 101, 112



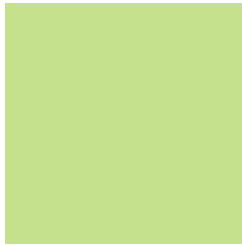
59, 0, 176



16, 0, 48

Previews

White Background



This preview shows how the RYB color 142, 225, 170 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 142, 225, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

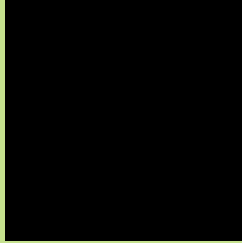
Any Text WCAG AA ✓ Pass

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 142, 225, 170 Background



This preview shows how black text looks on a background with the R Y B color 142, 225, 170.

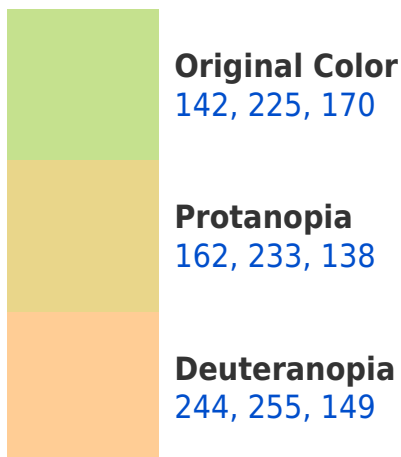


This preview shows how white text looks on a background with the R Y B color 142, 225, 170.

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](#).

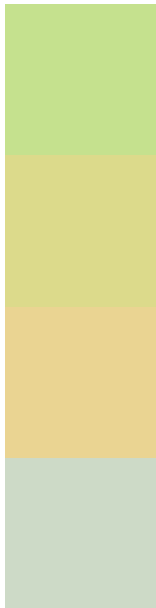
Dichromacy





Tritanopia
209, 213, 231

Trichromacy



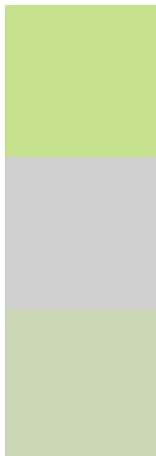
Original Color
142, 225, 170

Protanomaly
141, 220, 139

Deuteranomaly
175, 234, 146

Tritanomaly
199, 218, 212

Monochromacy



Original Color
142, 225, 170

Achromatopsia
207, 207, 207

Achromatomaly
183, 214, 194

CSS Examples

Text

The CSS property to change the color of the text to RGB 142, 225, 170 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(142, 225, 170) looks like.

```
.text, #text, p{  
    color:rgb(142, 225, 170)  
}
```

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(197, 225, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 225, 142) }
```

Border

The CSS property to change the border of an element to RYB 142, 225, 170 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(197, 225, 142) }
```

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

```
.border{ border-color:rgb(197, 225, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 225, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 225, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 225, 142); box-shadow:4px 4px 4px 4px rgb(197, 225, 142) }
```

Background

The CSS property to change the background color of an element to RYB 142, 225, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 225, 142) }
```

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

```
.background{ background-color: rgb(197,  
225, 142) }
```

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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