

Converting Colors

`RYB(142, 217, 133)`

Have a look what the booklet for
RYB(142, 217, 133) contains.

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Color

R_YB(142, 217, 133)

Conversions

Conversions Part 1

Format	Color
Hex	D9D185
RGB	217, 209, 133
RGB Percent	85%, 82%, 52%
CMY	0.1490, 0.1809, 0.4784
CMYK	0.00, 0.04, 0.39, 0.15
HSL	54°, 52%, 69%
HSV	54°, 39%, 85%
XYZ	55.6177, 61.9828, 31.2228
YIQ	202.7280, 29.1640, -21.9400

Conversions

Conversions Part 2

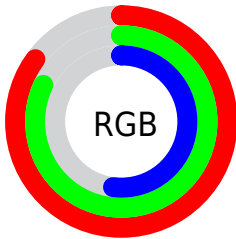
Format	Color
R _Y B	142, 217, 133
Decimal	14274949
CIE Lab	82.90, -8.10, 38.64
CIE LCh	83, 39.478, 101.841
Yxy	61.9828, 0.3737, 0.4165
Android (android.graphics.Color)	4292465029 (0xFFD9D185)
YUV	202.7280, -34.3759, 12.5165
Hunter-Lab	78.7292, -11.6758, 31.5969

Details

The RYB color **142, 217, 133** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **133, 140, 217**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **187, 255, 187**, and **88, 161, 82** is the 20% darker color. If you saturate the color by 10%, you get **122, 217, 111**, and if you desaturate by 10%, it is **162, 217, 155**.

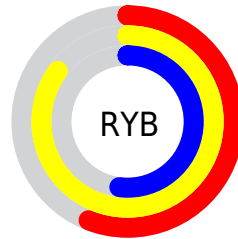
Distribution



Red (85%)

Green (82%)

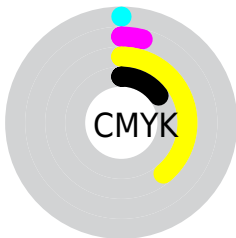
Blue (52%)



Red (56%)

Yellow (85%)

Blue (52%)

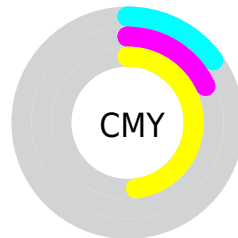


Cyan (0%)

Magenta (4%)

Yellow (39%)

Black (15%)



Cyan (15%)

Magenta (18%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 142, 217, 133 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, 217, 133 by changing the saturation by 10% instead.

 142, 217, 133

255, 255, 255

 187, 255, 187


 215, 255, 215

 244, 255, 244

 142, 217, 133


 116, 189, 107

 88, 161, 82


 62, 134, 57

 36, 107, 33

 8, 82, 6

 1, 58, 0

 0, 36, 3

 0, 16, 16


 0, 0, 0

 142, 217, 133

 142, 217, 133

 122, 217, 111

 162, 217, 155

 103, 217, 90

 180, 217, 176

 83, 217, 68


 200, 217, 198

 65, 217, 46

 217, 217, 220

 46, 217, 25

 217, 219, 242

 26, 217, 3

 217, 221, 255

 23, 217, 0

 217, 223, 255

 217, 224, 255

 217, 226, 255

Harmonies

Analogous

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



241, 251, 136



142, 217, 133



150, 219, 193

Triad

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



142, 217, 133



75, 157, 255



255, 181, 230

Complementary

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



142, 217, 133



133, 140, 217

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.



230, 192, 255



142, 217, 133



119, 176, 255

Square

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



142, 217, 133



87, 159, 227



178, 198, 255



255, 178, 193

Rectangle

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



142, 217, 133



146, 205, 223



178, 198, 255



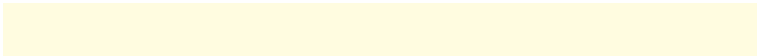
255, 184, 242

Sweetspot

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



142, 217, 133



227, 255, 224



217, 133, 141



112, 128, 110



0, 0, 0



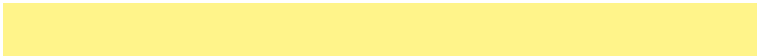
128, 128, 128

Same Dimension

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



142, 217, 133



150, 255, 138



133, 217, 167



100, 110, 99



18, 173, 0



6, 46, 0

Inverse Universe

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



133, 140, 217



138, 148, 255



167, 133, 217



99, 100, 110



0, 15, 173



0, 4, 46

Previews

White Background



This preview shows how the RYB color 142, 217, 133 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, 217, 133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

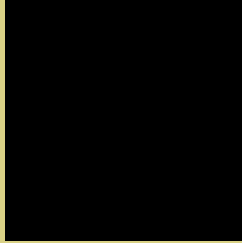
Any Text WCAG AA ✓ Pass

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 142, 217, 133 Background



This preview shows how black text looks on a background with the RYB color 142, 217, 133.




This preview shows how white text looks on a background with the RYB color 142, 217, 133.


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

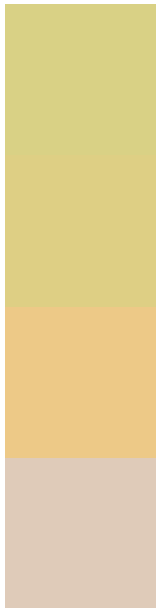


Original Color 142, 217, 133
Protanopia 156, 225, 132
Deuteranopia 230, 248, 136



Tritanopia
226, 199, 214

Trichromacy



Original Color
142, 217, 133

Protanomaly
150, 222, 132

Deuteranomaly
191, 237, 135

Tritanomaly
223, 219, 185

Monochromacy



Original Color
142, 217, 133

Achromatopsia
203, 203, 203

Achromatomaly
181, 208, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 142, 217, 133 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(217, 209, 133)` looks like.

```
.text, #text, p{  
    color:rgb(217, 209, 133)  
}
```

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(217, 209, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 209, 133) }
```

Border

The CSS property to change the border of an element to RYB 142, 217, 133 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(217, 209, 133) }
```

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

```
.border{ border-color:rgb(217, 209, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 209, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 209, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 209, 133);  
box-shadow:4px 4px 4px 4px rgb(217, 209,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 142, 217, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 209, 133) }
```

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

```
.background{ background-color: rgb(217,  
209, 133) }
```

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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