

Converting Colors

`RYB(148, 221, 142)`

Have a look what the booklet for
RYB(148, 221, 142) contains.

RYB(148, 221, 142)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(148, 221, 142)

Conversions

Conversions Part 1

Format	Color
Hex	DDD78E
RGB	221, 215, 142
RGB Percent	87%, 84%, 56%
CMY	0.1333, 0.1552, 0.4431
CMYK	0.00, 0.03, 0.36, 0.13
HSL	56°, 54%, 71%
HSV	56°, 36%, 87%
XYZ	59.1097, 66.1420, 35.2425
YIQ	208.4720, 27.0090, -21.4310

Conversions

Conversions Part 2

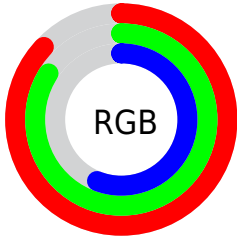
Format	Color
RYB	148, 221, 142
Decimal	14538638
CIELab	85.07, -8.86, 36.94
CIELCh	85, 37.984, 103.482
Yxy	66.1420, 0.3683, 0.4121
Android (android.graphics.Color)	4292728718 (0xFFDDD78E)
YUV	208.4720, -32.7707, 10.9871
Hunter-Lab	81.3277, -12.5882, 31.2368

Details

The RYB color **148, 221, 142** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **142, 148, 221**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **196, 255, 196**, and **96, 165, 91** is the 20% darker color. If you saturate the color by 10%, you get **128, 221, 120**, and if you desaturate by 10%, it is **168, 221, 164**.

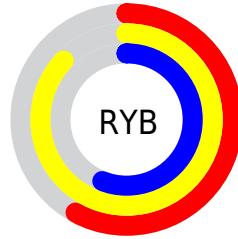
Distribution



Red (87%)

Green (84%)

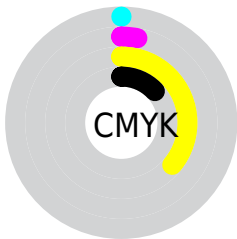
Blue (56%)



Red (58%)

Yellow (87%)

Blue (56%)

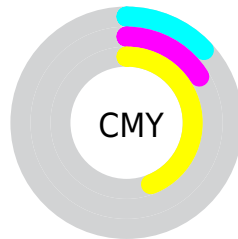


Cyan (0%)

Magenta (3%)

Yellow (36%)

Black (13%)



Cyan (13%)

Magenta (16%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 148, 221, 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 148, 221, 142 by changing the saturation by 10% instead.

 148, 221, 142


255, 255, 255

 196, 255, 196

 225, 255, 225


254, 255, 254

 148, 221, 142

 121, 193, 116

 95, 165, 91

 69, 138, 66

 44, 111, 42

 18, 86, 17

 0, 62, 1

 0, 40, 3

 0, 21, 16


 0, 0, 0

 148, 221, 142

 148, 221, 142

 128, 221, 120

 168, 221, 164

 108, 221, 98

 188, 221, 186

 87, 221, 76

 209, 221, 208

 67, 221, 54

 221, 222, 230

 45, 221, 31

 221, 223, 253

 25, 221, 9

 221, 225, 255

 17, 221, 0

 221, 225, 255

 221, 227, 255

 221, 227, 255

Harmonies

Analogous

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



242, 255, 144



148, 221, 142



159, 225, 203

Triad

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



148, 221, 142



94, 167, 255



255, 188, 234

Complementary

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



148, 221, 142



142, 148, 221

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.



238, 198, 255



148, 221, 142



134, 185, 255

Square

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



148, 221, 142



100, 167, 232



189, 205, 255



255, 186, 197

Rectangle

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



148, 221, 142



152, 209, 229



189, 205, 255



255, 190, 245

Sweetspot

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



148, 221, 142



229, 255, 227



221, 142, 149



113, 128, 111



0, 0, 0



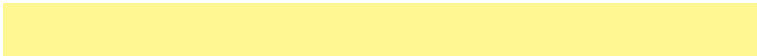
128, 128, 128

Same Dimension

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



148, 221, 142



154, 255, 145



142, 221, 175



100, 110, 99



13, 173, 0



3, 46, 0

Inverse Universe

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



142, 148, 221



145, 152, 255



175, 142, 221



99, 99, 110



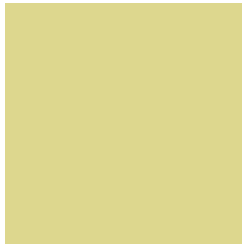
0, 11, 173



0, 3, 46

Previews

White Background



This preview shows how the RYB color 148, 221, 142 looks on a white background.

Color Contrast Check

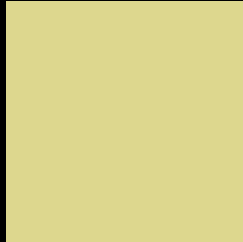
Large Text (above 18pt) WCAG AA × Fail

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 148, 221, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

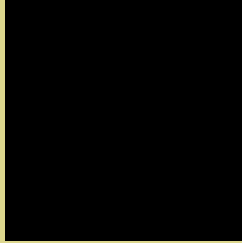
Any Text WCAG AA ✓ Pass

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 148, 221, 142 Background



This preview shows how black text looks on a background with the RYB color 148, 221, 142.



This preview shows how white text looks on a background with the RYB color 148, 221, 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



Original Color
148, 221, 142

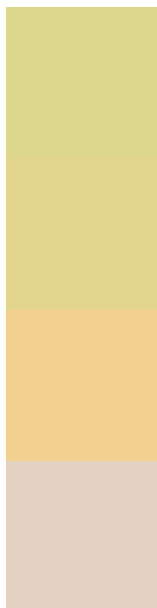
Protanopia
164, 230, 141

Deuteranopia
241, 254, 145



Tritanopia
230, 206, 222

Trichromacy



Original Color

148, 221, 142

Protanomaly

158, 227, 141

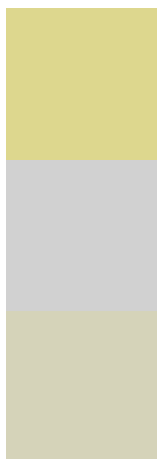
Deuteranomaly

196, 242, 144

Tritanomaly

227, 223, 193

Monochromacy



Original Color

148, 221, 142

Achromatopsia

209, 209, 209

Achromatomaly

187, 213, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 148, 221, 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(221, 215, 142)` looks like.

```
.text, #text, p{  
    color:rgb(221, 215, 142)  
}
```

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, 215, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 215, 142) }
```

Border

The CSS property to change the border of an element to RYB 148, 221, 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(221, 215, 142) }
```

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

```
.border{ border-color:rgb(221, 215, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 215, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 215, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 215, 142);  
box-shadow:4px 4px 4px 4px rgb(221, 215,  
142) }
```

Background

The CSS property to change the background color of an element to RYB 148, 221, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 215, 142) }
```

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

```
.background{ background-color: rgb(221,  
215, 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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