

Converting Colors

`RYB(150, 248, 178)`

Have a look what the booklet for
RYB(150, 248, 178) contains.

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Color

R_YB(150, 248, 178)

Conversions

Conversions Part 1

Format	Color
Hex	DCF896
RGB	220, 248, 150
RGB Percent	86%, 97%, 59%
CMY	0.1373, 0.0275, 0.4118
CMYK	0.11, 0.00, 0.40, 0.03
HSL	77°, 88%, 78%
HSV	77°, 40%, 97%
XYZ	68.5876, 84.5525, 41.5595
YIQ	228.4560, 14.7700, -36.4140

Conversions

Conversions Part 2

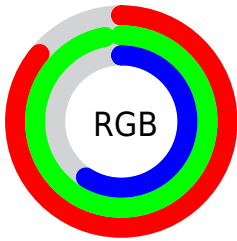
Format	Color
RYB	150, 248, 178
Decimal	14481558
CIELab	93.69, -24.33, 44.04
CIElCh	94, 50.314, 118.912
Yxy	84.5525, 0.3523, 0.4343
Android (android.graphics.Color)	4292671638 (0xFFDCF896)
YUV	228.4560, -38.6788, -7.4159
Hunter-Lab	91.9524, -27.7729, 37.5696

Details

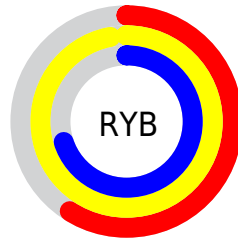
The RYB color **150, 248, 178** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **178, 150, 248**, and the grayscale version is **229, 229, 229**.

A 20% lighter version of the original color is **205, 255, 205**, and **97, 192, 125** is the 20% darker color. If you saturate the color by 10%, you get **125, 248, 160**, and if you desaturate by 10%, it is **175, 248, 196**.

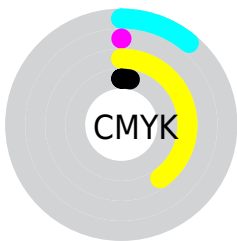
Distribution



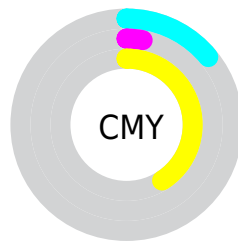
- Red (86%)
- Green (97%)
- Blue (59%)



- Red (59%)
- Yellow (97%)
- Blue (70%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (3%)



- Cyan (14%)
- Magenta (3%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 150, 248, 178 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 150, 248, 178 by changing the saturation by 10% instead.

 150, 248, 178


255, 255, 255


 205, 255, 205


 234, 255, 234


 150, 248, 178


 123, 219, 151

 97, 192, 125

 72, 164, 100

 47, 138, 75

 20, 113, 49

 0, 88, 30

 0, 64, 30

 0, 42, 37

 0, 21, 21

 150, 248, 178

 150, 248, 178

 125, 248, 160

 175, 248, 196

 100, 248, 142

 200, 248, 214

 76, 248, 125

 224, 248, 231

 51, 248, 107

 248, 248, 249

 26, 248, 89

 255, 248, 255

 1, 248, 72

 0, 248, 71

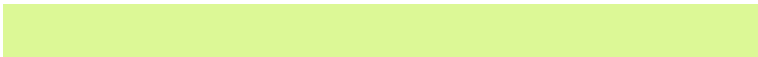
Harmonies

Analogous

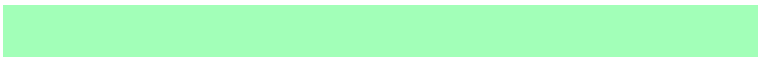
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



166, 255, 139



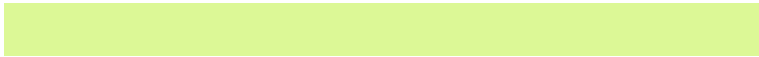
150, 248, 178



162, 237, 255

Triad

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



150, 248, 178



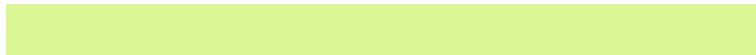
62, 159, 255



255, 199, 241

Complementary

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



150, 248, 178



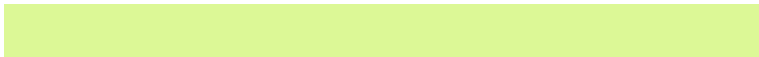
178, 150, 248

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, 208, 255



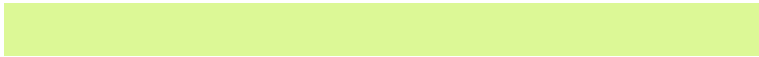
150, 248, 178



161, 205, 255

Square

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



150, 248, 178



0, 128, 255



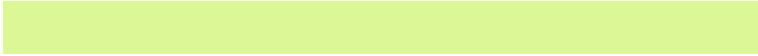
240, 225, 255



255, 205, 192

Rectangle

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



150, 248, 178



117, 197, 255



240, 225, 255



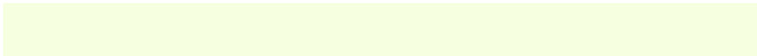
255, 201, 255

Sweetspot

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



150, 248, 178



224, 255, 233



248, 189, 150



110, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

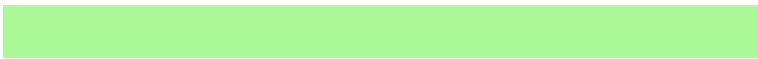
The Same Dimension uses a secret algorithm to generate beautiful new colors.



150, 248, 178



135, 255, 169



150, 248, 227



112, 125, 116



0, 189, 54



0, 61, 17

Inverse Universe

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



178, 150, 248



169, 135, 255



227, 150, 248



116, 112, 125



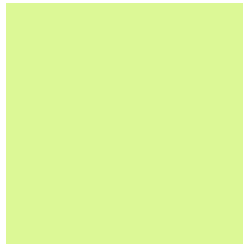
54, 0, 189



17, 0, 61

Previews

White Background



This preview shows how the RYB color 150, 248, 178 looks on a white background.

Color Contrast Check

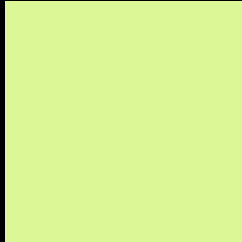
Large Text (above 18pt) WCAG AA × Fail

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 150, 248, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

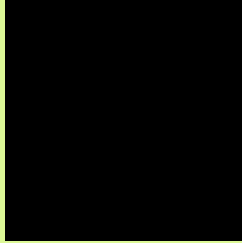
Any Text WCAG AA ✓ Pass

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 150, 248, 178 Background



This preview shows how black text looks on a background with the RYB color 150, 248, 178.

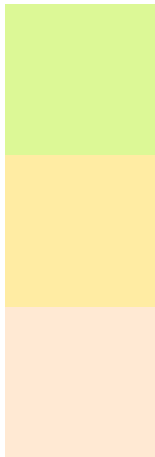


This preview shows how white text looks on a background with the RYB color 150, 248, 178.

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
150, 248, 178

Protanopia
187, 255, 163

Deuteranopia
255, 255, 211



Tritanopia

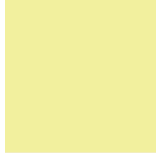
234, 236, 254

Trichromacy



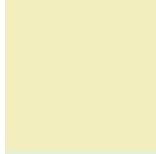
Original Color

150, 248, 178



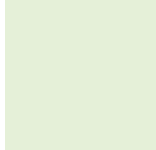
Protanomaly

160, 242, 158



Deuteranomaly

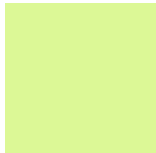
193, 242, 189



Tritanomaly

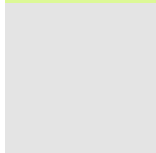
216, 240, 227

Monochromacy



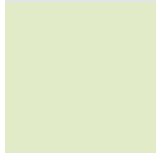
Original Color

150, 248, 178



Achromatopsia

228, 228, 228



Achromatomaly

200, 235, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 150, 248, 178 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(220, 248, 150)` looks like.

```
.text, #text, p{  
    color:rgb(220, 248, 150)  
}
```

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(220, 248, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 248, 150) }
```

Border

The CSS property to change the border of an element to RYB 150, 248, 178 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(220, 248, 150) }
```

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

```
.border{ border-color:rgb(220, 248, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 248, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 248, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 248, 150);  
box-shadow:4px 4px 4px 4px rgb(220, 248,  
150) }
```

Background

The CSS property to change the background color of an element to RYB 150, 248, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 248, 150) }
```

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

```
.background{ background-color: rgb(220,  
248, 150) }
```

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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