

Converting Colors

`RYB(98, 236, 116)`

Have a look what the booklet for
RYB(98, 236, 116) contains.

RYB(98, 236, 116)	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(98, 236, 116)

Conversions

Conversions Part 1

Format	Color
Hex	DAEC62
RGB	218, 236, 98
RGB Percent	85%, 93%, 38%
CMY	0.1451, 0.0745, 0.6157
CMYK	0.08, 0.00, 0.58, 0.07
HSL	68°, 78%, 65%
HSV	68°, 58%, 93%
XYZ	61.1135, 75.7782, 22.9609
YIQ	214.8860, 33.5700, -46.7340

Conversions

Conversions Part 2

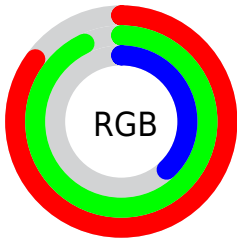
Format	Color
RYB	98, 236, 116
Decimal	14347362
CIELab	89.76, -24.29, 63.29
CIELCh	90, 67.796, 110.995
Yxy	75.7782, 0.3823, 0.4741
Android (android.graphics.Color)	4292537442 (0xFFDAEC62)
YUV	214.8860, -57.6248, 2.7310
Hunter-Lab	87.0507, -27.0236, 45.2968

Details

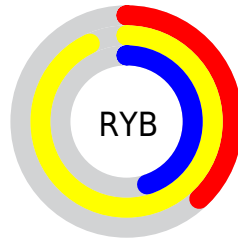
The RYB color **98, 236, 116** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **116, 98, 236**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **153, 255, 153**, and **41, 180, 61** is the 20% darker color. If you saturate the color by 10%, you get **74, 236, 95**, and if you desaturate by 10%, it is **122, 236, 137**.

Distribution



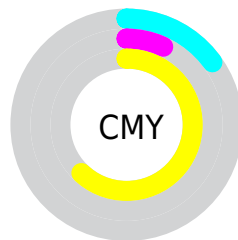
- Red (85%)
- Green (93%)
- Blue (38%)



- Red (38%)
- Yellow (93%)
- Blue (45%)



- Cyan (8%)
- Magenta (0%)
- Yellow (58%)
- Black (7%)



















- Cyan (15%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 98, 236, 116 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 98, 236, 116 by changing the saturation by 10% instead.


 98, 236, 116	 98, 236, 116
 255, 255, 255	 70, 208, 89
 153, 255, 153	 41, 180, 61
 181, 255, 181	 0, 153, 21
 210, 255, 210	 0, 128, 23
 239, 255, 239	 0, 102, 24
	 0, 78, 27
	 0, 55, 31
	 0, 34, 34
	 0, 0, 0

 98, 236, 116

 98, 236, 116

 74, 236, 95

 122, 236, 137

 51, 236, 75

 145, 236, 157

 27, 236, 54

 169, 236, 178

 4, 236, 34

 192, 236, 198

 0, 236, 31

 216, 236, 219

 236, 236, 240

 240, 236, 255

 243, 236, 255

 246, 236, 255

Harmonies

Analogous

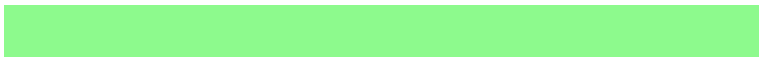
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



146, 255, 93



98, 236, 116



141, 250, 250

Triad

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



98, 236, 116



0, 127, 255



255, 171, 248

Complementary

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



98, 236, 116



116, 98, 236

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, 190, 255



98, 236, 116



0, 123, 255

Square

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



98, 236, 116



0, 128, 255



197, 211, 255



255, 172, 183

Rectangle

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



98, 236, 116



54, 177, 255



197, 211, 255



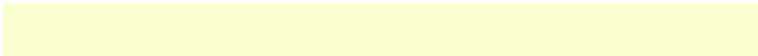
255, 176, 255

Sweetspot

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



98, 236, 116



209, 255, 215



236, 116, 98



99, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



98, 236, 116



77, 255, 100



98, 236, 183



106, 117, 107



0, 181, 24



0, 54, 7

Inverse Universe

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



116, 98, 236



100, 77, 255



183, 98, 236



107, 106, 117



24, 0, 181



7, 0, 54

Previews

White Background



This preview shows how the RYB color 98, 236, 116 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 98, 236, 116 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 98, 236, 116 Background



This preview shows how black text looks on a background with the RYB color 98, 236, 116.

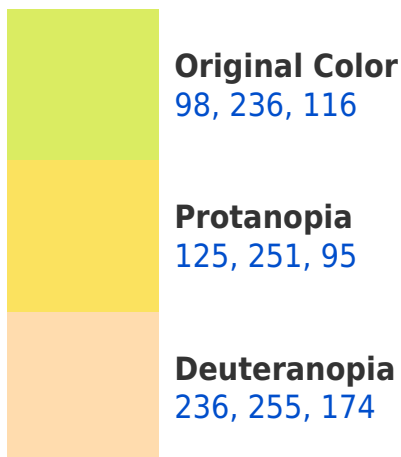


This preview shows how white text looks on a background with the RYB color 98, 236, 116.

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](#).

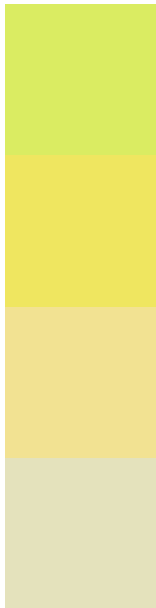
Dichromacy





Tritanopia
233, 221, 239

Trichromacy



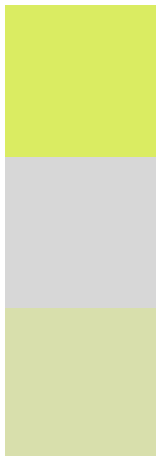
Original Color
98, 236, 116

Protanomaly
106, 239, 96

Deuteranomaly
165, 242, 146

Tritanomaly
190, 228, 188

Monochromacy



Original Color
98, 236, 116

Achromatopsia
215, 215, 215

Achromatomaly
172, 223, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 236, 116 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(218, 236, 98)` looks like.

```
.text, #text, p{  
    color:rgb(218, 236, 98)  
}
```

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(218, 236, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 236, 98) }
```

Border

The CSS property to change the border of an element to RYB 98, 236, 116 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(218, 236, 98) }
```

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

```
.border{ border-color:rgb(218, 236, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 236, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 236, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 236, 98);  
box-shadow:4px 4px 4px 4px rgb(218, 236,  
98) }
```

Background

The CSS property to change the background color of an element to RYB 98, 236, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 236, 98) }
```

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

```
.background{ background-color: rgb(218,  
236, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor