

Converting Colors

`RYB(165, 250, 153)`

Have a look what the booklet for
RYB(165, 250, 153) contains.

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Color

R_YB(165, 250, 153)

Conversions

Conversions Part 1

Format	Color
Hex	FAEF99
RGB	250, 239, 153
RGB Percent	98%, 94%, 60%
CMY	0.0196, 0.0615, 0.4000
CMYK	0.00, 0.04, 0.39, 0.02
HSL	53°, 91%, 79%
HSV	53°, 39%, 98%
XYZ	76.1347, 84.5451, 42.4431
YIQ	232.4850, 34.1620, -24.4140

Conversions

Conversions Part 2

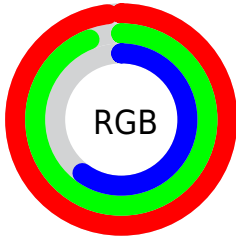
Format	Color
RYB	165, 250, 153
Decimal	16445337
CIELab	93.69, -8.43, 43.02
CIELCh	94, 43.835, 101.089
Yxy	84.5451, 0.3748, 0.4162
Android (android.graphics.Color)	4294635417 (0xFFFAEF99)
YUV	232.4850, -39.1861, 15.3607
Hunter-Lab	91.9484, -13.1089, 36.9958

Details

The RYB color **165, 250, 153** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **153, 163, 250**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **208, 255, 208**, and **110, 192, 100** is the 20% darker color. If you saturate the color by 10%, you get **143, 250, 128**, and if you desaturate by 10%, it is **187, 250, 178**.

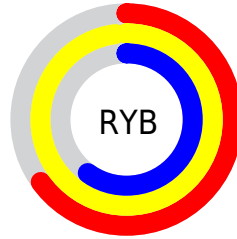
Distribution



Red (98%)

Green (94%)

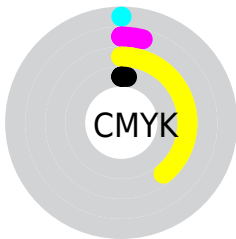
Blue (60%)



Red (65%)

Yellow (98%)

Blue (60%)

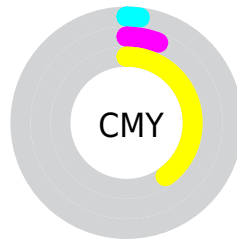


Cyan (0%)

Magenta (4%)

Yellow (39%)

Black (2%)



Cyan (2%)

Magenta (6%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 250, 153 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 165, 250, 153 by changing the saturation by 10% instead.

 165, 250, 153


255, 255, 255


 208, 255, 208


 237, 255, 237

 165, 250, 153

 137, 221, 126

 109, 192, 100

 83, 164, 75


 56, 137, 50

 29, 110, 25

 2, 84, 0

 0, 59, 0

 0, 37, 3

 0, 18, 18

 165, 250, 153

 165, 250, 153

 143, 250, 128

 187, 250, 178

 121, 250, 103

 209, 250, 203

 99, 250, 78

 230, 250, 228

 78, 250, 53

 250, 250, 253

 55, 250, 28

 250, 252, 255

 33, 250, 3

 250, 253, 255

 32, 250, 0

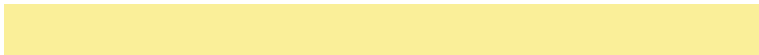
Harmonies

Analogous

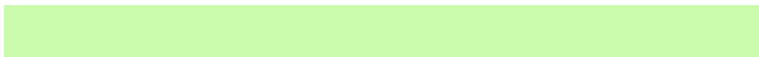
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



200, 255, 157



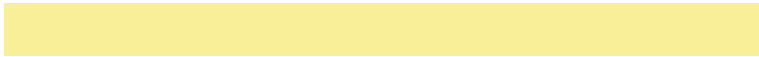
165, 250, 153



172, 251, 220

Triad

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



165, 250, 153



86, 171, 255



255, 208, 255

Complementary

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



165, 250, 153



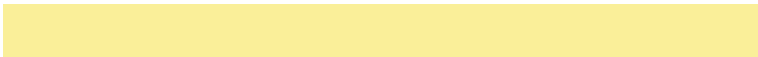
153, 163, 250

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, 220, 255



165, 250, 153



136, 194, 255

Square

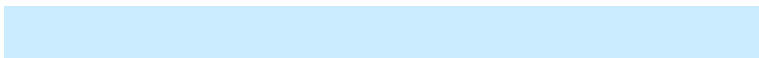
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



165, 250, 153



102, 179, 255



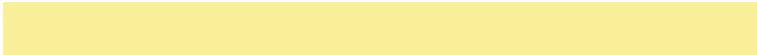
203, 223, 255



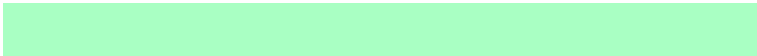
255, 205, 223

Rectangle

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



165, 250, 153



169, 235, 255



203, 223, 255



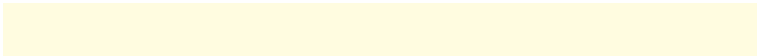
255, 211, 255

Sweetspot

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



165, 250, 153



227, 255, 224



250, 153, 164



112, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

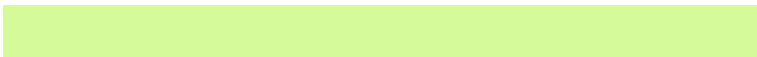
The Same Dimension uses a secret algorithm to generate beautiful new colors.



165, 250, 153



150, 255, 135



153, 250, 190



113, 125, 112



24, 189, 0



8, 61, 0

Inverse Universe

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



153, 163, 250



135, 147, 255



190, 153, 250



112, 114, 125



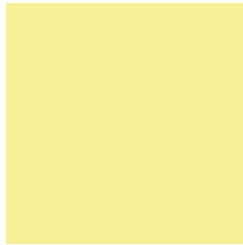
0, 19, 189



0, 6, 61

Previews

White Background



This preview shows how the RYB color 165, 250, 153 looks on a white background.

Color Contrast Check

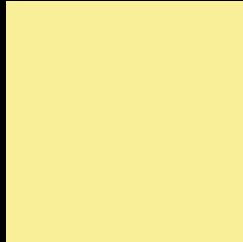
Large Text (above 18pt) WCAG AA × Fail

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 165, 250, 153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

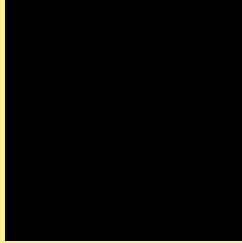
Any Text WCAG AA ✓ Pass

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 165, 250, 153 Background



This preview shows how black text looks on a background with the RYB color 165, 250, 153.



This preview shows how white text looks on a background with the RYB color 165, 250, 153.

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
165, 250, 153

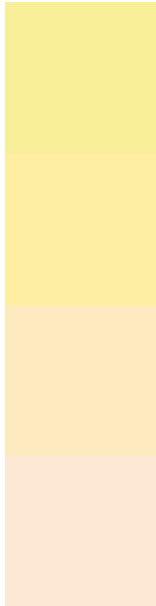
Protanopia
189, 255, 166

Deuteranopia
255, 253, 212



Tritanopia
255, 230, 244

Trichromacy



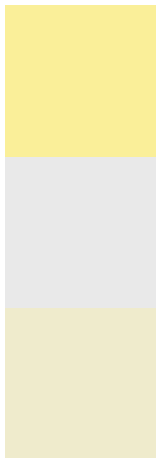
Original Color
165, 250, 153

Protanomaly
179, 253, 161

Deuteranomaly
216, 253, 191

Tritanomaly
249, 253, 211

Monochromacy



Original Color
165, 250, 153

Achromatopsia
233, 233, 233

Achromatomaly
209, 239, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 250, 153 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(250, 239, 153)` looks like.

```
.text, #text, p{  
    color:rgb(250, 239, 153)  
}
```

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(250, 239, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 239, 153) }
```

Border

The CSS property to change the border of an element to RYB 165, 250, 153 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(250, 239, 153) }
```

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

```
.border{ border-color:rgb(250, 239, 153) }
```

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

Here you see how a box with a 4 pixel rgb(250, 239, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 239, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 239, 153);  
box-shadow:4px 4px 4px 4px rgb(250, 239,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 165, 250, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 239, 153) }
```

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

```
.background{ background-color: rgb(250,  
239, 153) }
```

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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