

Converting Colors

`RYB(200, 255, 180)`

Have a look what the booklet for
RYB(200, 255, 180) contains.

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Color

R_YB(200, 255, 180)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFB4
RGB	255, 239, 180
RGB Percent	100%, 94%, 71%
CMY	0.0000, 0.0619, 0.2941
CMYK	0.00, 0.06, 0.29, 0.00
HSL	47°, 100%, 85%
HSV	47°, 29%, 100%
XYZ	80.4064, 86.4116, 55.6213
YIQ	237.0580, 28.4750, -14.9570

Conversions

Conversions Part 2

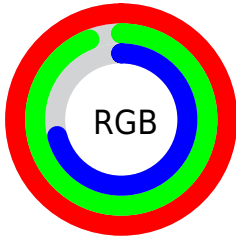
Format	Color
R _Y B	200, 255, 180
Decimal	16773044
CIE Lab	94.49, -3.36, 30.62
CIE LCh	94, 30.802, 96.259
Yxy	86.4116, 0.3615, 0.3885
Android (android.graphics.Color)	4294963124 (0xFFFFE4B4)
YUV	237.0580, -28.1296, 15.7351
Hunter-Lab	92.9579, -8.2779, 29.5944

Details

The RYB color **200, 255, 180** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **180, 193, 255**, and the grayscale version is **237, 237, 237**.

A 20% lighter version of the original color is **236, 255, 236**, and **145, 197, 127** is the 20% darker color. If you saturate the color by 10%, you get **182, 255, 155**, and if you desaturate by 10%, it is **219, 255, 206**.

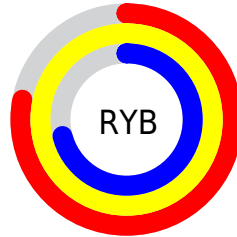
Distribution



Red (100%)

Green (94%)

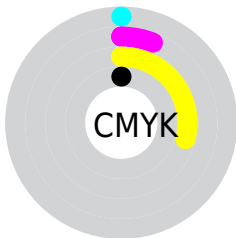
Blue (71%)



Red (78%)

Yellow (100%)

Blue (71%)

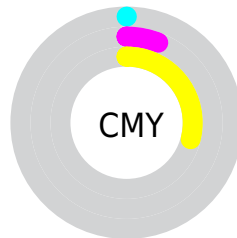


Cyan (0%)

Magenta (6%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 255, 180 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 200, 255, 180 by changing the saturation by 10% instead.

 200, 255, 180

255, 255, 255


 236, 255, 236

 200, 255, 180

 172, 226, 153


 145, 197, 127

 117, 170, 101

 90, 142, 77

 66, 116, 53

 42, 91, 30

 15, 66, 7

 7, 43, 0

 0, 17, 1

■ 200, 255, 180

■ 200, 255, 180

■ 182, 255, 155

■ 219, 255, 206

■ 163, 255, 129

■ 237, 255, 231

■ 145, 255, 104

255, 255, 255

■ 125, 255, 78

■ 108, 255, 53

■ 88, 255, 27

■ 69, 255, 2

■ 69, 255, 0

Harmonies

Analogous

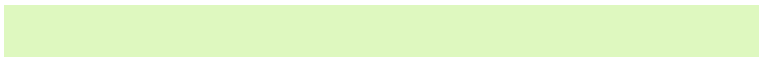
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228, 255, 186



200, 255, 180



191, 248, 217

Triad

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



200, 255, 180



154, 204, 255



255, 221, 255

Complementary

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



200, 255, 180



180, 193, 255

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.



252, 229, 255



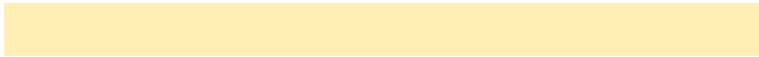
200, 255, 180



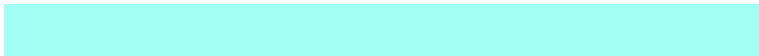
174, 213, 255

Square

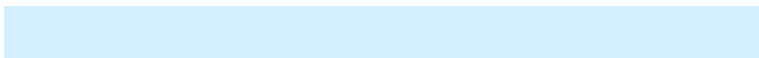
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



200, 255, 180



161, 211, 255



212, 229, 255



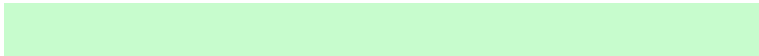
255, 218, 234

Rectangle

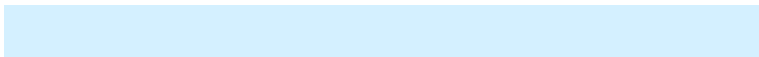
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



200, 255, 180



199, 247, 252



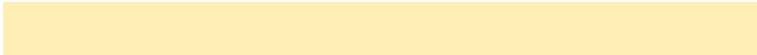
212, 229, 255



255, 223, 255

Sweetspot

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



200, 255, 180



238, 255, 232



255, 180, 196



117, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

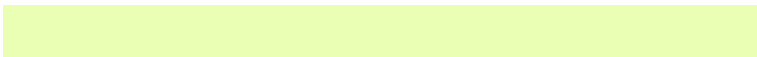
The Same Dimension uses a secret algorithm to generate beautiful new colors.



200, 255, 180



190, 255, 166



180, 255, 201



119, 128, 115



51, 191, 0



18, 64, 0

Inverse Universe

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



180, 193, 255



166, 182, 255



201, 180, 255



115, 117, 128



0, 33, 191



0, 11, 64

Previews

White Background



This preview shows how the RYB color 200, 255, 180 looks on a white background.

Color Contrast Check

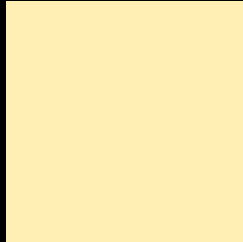
Large Text (above 18pt) WCAG AA × Fail

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 200, 255, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

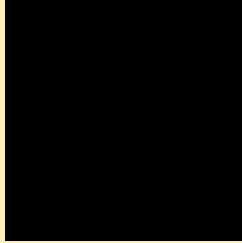
Any Text WCAG AA ✓ Pass

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 200, 255, 180 Background



This preview shows how black text looks on a background with the RYB color 200, 255, 180.



This preview shows how white text looks on a background with the RYB color 200, 255, 180.

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
200, 255, 180

Protanopia
205, 255, 184

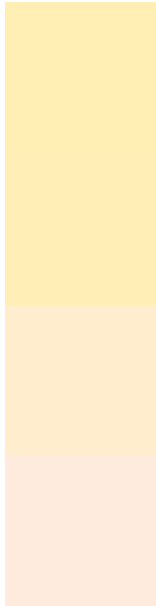
Deuteranopia
255, 248, 221



Tritanopia

255, 233, 245

Trichromacy



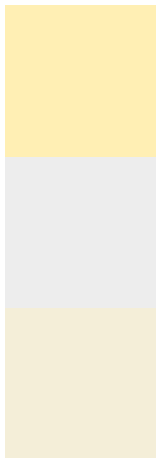
Original Color
200, 255, 180

Protanomaly
204, 255, 183

Deuteranomaly
234, 255, 206

Tritanomaly
255, 245, 221

Monochromacy



Original Color
200, 255, 180

Achromatopsia
237, 237, 237

Achromatomaly
224, 244, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 255, 180 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(255, 239, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 180)  
}
```

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(255, 239, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 180) }
```

Border

The CSS property to change the border of an element to RYB 200, 255, 180 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(255, 239, 180) }
```

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

```
.border{ border-color:rgb(255, 239, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 255, 239, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 180) }
```

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

```
.background{ background-color: rgb(255,  
239, 180) }
```

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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