

# Converting Colors

`RYB(191, 230, 145)`

Have a look what the booklet for  
RYB(191, 230, 145) contains.

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# **Color**

**R<sub>Y</sub>B(191, 230, 145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6C891
RGB	230, 200, 145
RGB Percent	90%, 78%, 57%
CMY	0.0980, 0.2151, 0.4314
CMYK	0.00, 0.13, 0.37, 0.10
HSL	39°, 63%, 74%
HSV	39°, 37%, 90%
XYZ	58.4336, 60.2466, 35.3370
YIQ	202.7000, 35.5350, -10.7450

# Conversions

## Conversions Part 2

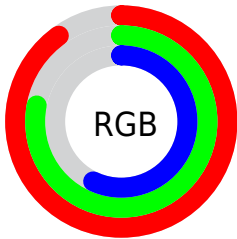
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 230, 145
Decimal	15124625
CIELab	81.97, 2.86, 31.48
CIELCh	82, 31.605, 84.810
Yxy	60.2466, 0.3794, 0.3912
Android (android.graphics.Color)	4293314705 (0xFFE6C891)
YUV	202.7000, -28.4461, 23.9421
Hunter-Lab	77.6187, -1.4528, 27.3405

# Details

The RYB color **191, 230, 145** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **145, 167, 230**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **199, 255, 199**, and **135, 173, 94** is the 20% darker color. If you saturate the color by 10%, you get **181, 230, 122**, and if you desaturate by 10%, it is **202, 230, 168**.

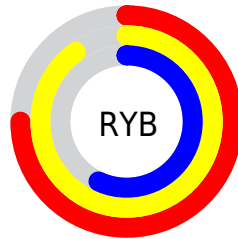
# Distribution



Red (90%)

Green (78%)

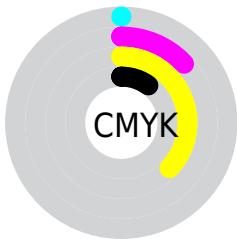
Blue (57%)



Red (75%)

Yellow (90%)

Blue (57%)

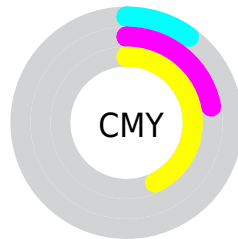


Cyan (0%)

Magenta (13%)

Yellow (37%)

Black (10%)



Cyan (10%)

Magenta (22%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 191, 230, 145 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 191, 230, 145 by changing the saturation by 10% instead.



 191, 230, 145

 191, 230, 145

255, 255, 255


 162, 201, 119

 199, 255, 199

 135, 173, 94

 228, 255, 228

 107, 146, 70

 80, 119, 46

 53, 93, 23

 24, 68, 0


 23, 44, 0

 17, 7, 0


 0, 0, 0

 191, 230, 145

 191, 230, 145

 181, 230, 122


 202, 230, 168

 170, 230, 99

 213, 230, 191

 159, 230, 76

 224, 230, 214

 148, 230, 53

 230, 232, 237

 138, 230, 30

 230, 238, 255

 127, 230, 7

 230, 241, 255

 125, 230, 0

 230, 243, 255

# Harmonies

## Analogous

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



253, 208, 156



191, 230, 145



150, 210, 161

# Triad

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



191, 230, 145



113, 168, 228



237, 188, 238

# Complementary

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



191, 230, 145



145, 167, 230

# 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.



201, 198, 255



191, 230, 145



123, 177, 251

# Square

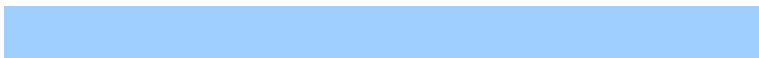
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



191, 230, 145



133, 183, 220



159, 191, 255



255, 182, 210

# Rectangle

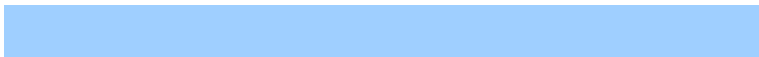
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



191, 230, 145



161, 215, 199



159, 191, 255



226, 191, 246

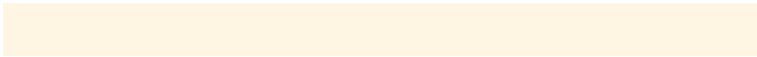


# Sweetspot

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



191, 230, 145



243, 255, 227



230, 145, 176



120, 128, 111



0, 0, 0



128, 128, 128



# Same Dimension

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



191, 230, 145



203, 255, 143



145, 230, 156



109, 115, 103



97, 179, 0



28, 51, 0



# Inverse Universe

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



145, 167, 230



143, 172, 255



156, 145, 230



103, 106, 115



0, 47, 179



0, 13, 51



# Previews

## White Background



This preview shows how the RYB color 191, 230, 145 looks on a white background.

## Color Contrast Check

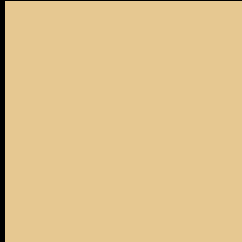
Large Text (above 18pt) WCAG AA × Fail

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 191, 230, 145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

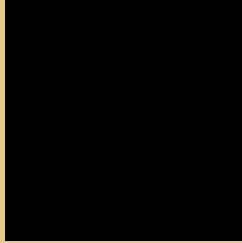
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 191, 230, 145 Background**



This preview shows how black text looks on a background with the RYB color 191, 230, 145.



This preview shows how white text looks on a background with the RYB color 191, 230, 145.

# 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**  
191, 230, 145

**Protanopia**  
167, 220, 147

**Deuteranopia**  
238, 242, 146



**Tritanopia**  
237, 192, 207

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 191, 230, 145 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(230, 200, 145)` looks like.

```
.text, #text, p{  
    color:rgb(230, 200, 145)  
}
```

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(230, 200, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 200, 145) }
```

## Border

The CSS property to change the border of an element to RYB 191, 230, 145 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(230, 200, 145) }
```

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

```
.border{ border-color:rgb(230, 200, 145) }
```

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

Here you see how a box with a 4 pixel rgb(230, 200, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 200, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 200, 145);  
box-shadow:4px 4px 4px 4px rgb(230, 200,  
145) }
```

# Background

The CSS property to change the background color of an element to RYB 191, 230, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 200, 145) }
```

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

```
.background{ background-color: rgb(230,  
200, 145) }
```

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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