

Converting Colors

`RYB(180, 237, 164)`

Have a look what the booklet for
RYB(180, 237, 164) contains.

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Color

R_YB(180, 237, 164)

Conversions

Conversions Part 1

Format	Color
Hex	EDE0A4
RGB	237, 224, 164
RGB Percent	93%, 88%, 64%
CMY	0.0706, 0.1221, 0.3569
CMYK	0.00, 0.06, 0.31, 0.07
HSL	49°, 67%, 79%
HSV	49°, 31%, 93%
XYZ	68.2483, 73.9298, 45.7948
YIQ	221.0470, 27.0080, -15.9040

Conversions

Conversions Part 2

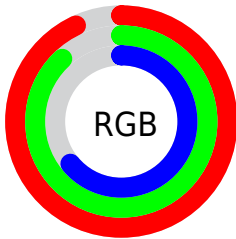
Format	Color
R _Y B	180, 237, 164
Decimal	15589540
CIE Lab	88.89, -4.37, 31.00
CIE LCh	89, 31.303, 98.032
Yxy	73.9298, 0.3631, 0.3933
Android (android.graphics.Color)	4293779620 (0xFFE0A4)
YUV	221.0470, -28.1242, 13.9908
Hunter-Lab	85.9824, -8.7853, 28.6095

Details

The RYB color **180, 237, 164** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **164, 175, 237**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **219, 255, 219**, and **125, 180, 112** is the 20% darker color. If you saturate the color by 10%, you get **161, 237, 140**, and if you desaturate by 10%, it is **199, 237, 188**.

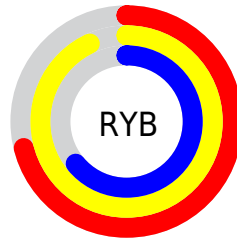
Distribution



Red (93%)

Green (88%)

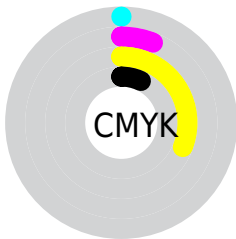
Blue (64%)



Red (71%)

Yellow (93%)

Blue (64%)

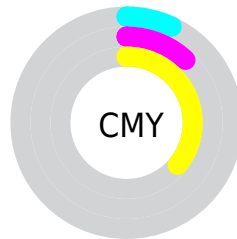


Cyan (0%)

Magenta (6%)

Yellow (31%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 237, 164 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 180, 237, 164 by changing the saturation by 10% instead.

 180, 237, 164

255, 255, 255

 219, 255, 219

 248, 255, 248

 180, 237, 164

 151, 208, 137

 125, 180, 112

 100, 153, 87

 74, 126, 63

 49, 100, 40

 24, 75, 17


 6, 52, 0

 2, 28, 0

 0, 0, 0

 180, 237, 164

 180, 237, 164

 161, 237, 140

 199, 237, 188

 144, 237, 117

 217, 237, 211

 125, 237, 93

 235, 237, 235

 106, 237, 69


 237, 240, 255

 86, 237, 45

 237, 243, 255

 70, 237, 22

 237, 244, 255

 53, 237, 0

 237, 246, 255

 237, 246, 255

Harmonies

Analogous

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



247, 255, 169



180, 237, 164



176, 233, 205

Triad

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



180, 237, 164



135, 190, 255



255, 204, 246

Complementary

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



180, 237, 164



164, 175, 237

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.



238, 213, 255



180, 237, 164



158, 200, 255

Square

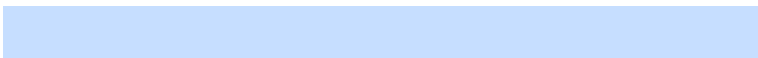
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



180, 237, 164



142, 194, 240



198, 215, 255



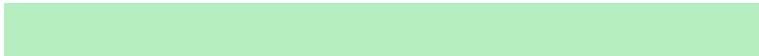
255, 201, 216

Rectangle

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



180, 237, 164



181, 229, 237



198, 215, 255



255, 207, 255

Sweetspot

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



180, 237, 164



237, 255, 232



237, 164, 177



117, 128, 113



0, 0, 0



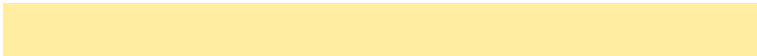
128, 128, 128

Same Dimension

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



180, 237, 164



182, 255, 161



164, 237, 187



108, 117, 106



39, 181, 0



12, 54, 0

Inverse Universe

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



164, 175, 237



161, 175, 255



187, 164, 237



106, 108, 117



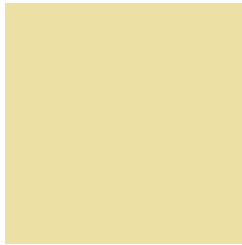
0, 28, 181



0, 8, 54

Previews

White Background



This preview shows how the RYB color 180, 237, 164 looks on a white background.

Color Contrast Check

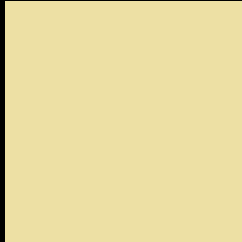
Large Text (above 18pt) WCAG AA × Fail

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 180, 237, 164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

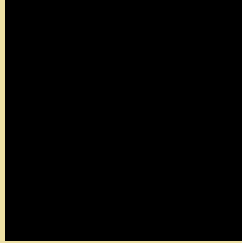
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

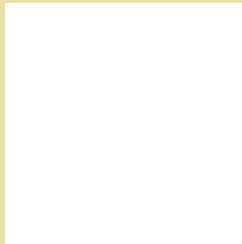
Any Text WCAG AAA ✓ Pass

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

RYB 180, 237, 164 Background



This preview shows how black text looks on a background with the RYB color 180, 237, 164.







This preview shows how white text looks on a background with the RYB color 180, 237, 164.

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](#).

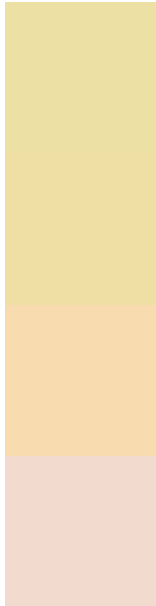
Dichromacy

	Original Color 180, 237, 164
	Protanopia 186, 240, 164
	Deuteranopia 255, 247, 181



Tritanopia
245, 215, 232

Trichromacy



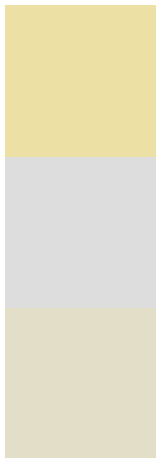
Original Color
180, 237, 164

Protanomaly
184, 239, 164

Deuteranomaly
223, 248, 175

Tritanomaly
242, 223, 207

Monochromacy



Original Color
180, 237, 164

Achromatopsia
221, 221, 221

Achromatomaly
206, 227, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 237, 164 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(237, 224, 164)` looks like.

```
.text, #text, p{  
    color:rgb(237, 224, 164)  
}
```

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(237, 224, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 224, 164) }
```

Border

The CSS property to change the border of an element to RYB 180, 237, 164 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(237, 224, 164) }
```

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

```
.border{ border-color:rgb(237, 224, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 224, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 224, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 224, 164);  
box-shadow:4px 4px 4px 4px rgb(237, 224,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 180, 237, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 224, 164) }
```

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

```
.background{ background-color: rgb(237,  
224, 164) }
```

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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