

Converting Colors

`RYB(171, 240, 136)`

Have a look what the booklet for
RYB(171, 240, 136) contains.

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Color

RYB(171, 240, 136)

Conversions

Conversions Part 1

Format	Color
Hex	F0D688
RGB	240, 214, 136
RGB Percent	94%, 84%, 53%
CMY	0.0588, 0.1615, 0.4667
CMYK	0.00, 0.11, 0.43, 0.06
HSL	45°, 78%, 74%
HSV	45°, 43%, 94%
XYZ	64.3784, 68.3013, 33.0829
YIQ	212.8820, 40.5340, -18.7460

Conversions

Conversions Part 2

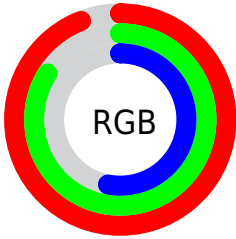
Format	Color
RYB	171, 240, 136
Decimal	15783560
CIELab	86.16, -1.22, 41.68
CIElCh	86, 41.695, 91.683
Yxy	68.3013, 0.3884, 0.4120
Android (android.graphics.Color)	4293973640 (0xFFFF0D688)
YUV	212.8820, -37.9028, 23.7825
Hunter-Lab	82.6446, -5.5805, 34.1173

Details

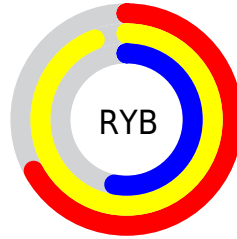
The RYB color **171, 240, 136** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **136, 157, 240**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **190, 255, 190**, and **113, 182, 85** is the 20% darker color. If you saturate the color by 10%, you get **155, 240, 112**, and if you desaturate by 10%, it is **187, 240, 160**.

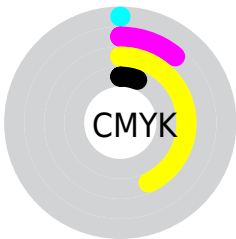
Distribution



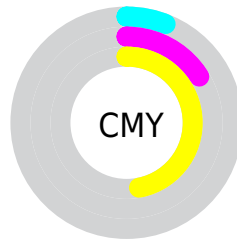
- Red (94%)
- Green (84%)
- Blue (53%)



- Red (67%)
- Yellow (94%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (43%)
- Black (6%)



- Cyan (6%)
- Magenta (16%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 240, 136 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 171, 240, 136 by changing the saturation by 10% instead.

 171, 240, 136

255, 255, 255


 190, 255, 190

 218, 255, 218

 247, 255, 247

 171, 240, 136

 143, 211, 110


 115, 182, 85

 87, 154, 60

 59, 127, 35

 27, 100, 8

 17, 75, 0

 11, 49, 0

 6, 25, 0


 0, 0, 0

 171, 240, 136

 171, 240, 136

 155, 240, 112

 187, 240, 160

 139, 240, 88

 203, 240, 184

 123, 240, 64


 219, 240, 208

 107, 240, 40

 235, 240, 232

 91, 240, 16

 240, 243, 255

 80, 240, 0

 240, 246, 255

 240, 248, 255

Harmonies

Analogous

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



255, 251, 147



171, 240, 136



147, 226, 175

Triad

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



171, 240, 136



68, 156, 255



255, 191, 254

Complementary

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



171, 240, 136



136, 157, 240

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.



223, 204, 255



171, 240, 136



100, 171, 255

Square

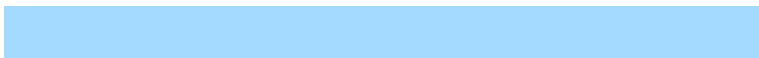
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



171, 240, 136



102, 175, 237



164, 198, 255



255, 185, 215

Rectangle

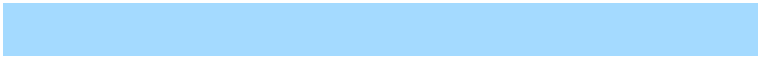
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



171, 240, 136



165, 231, 229



164, 198, 255



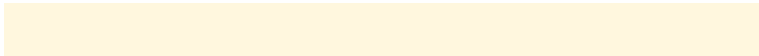
255, 195, 255

Sweetspot

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



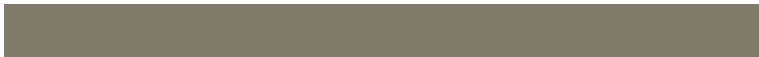
171, 240, 136



233, 255, 222



240, 136, 164



115, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



171, 240, 136



166, 255, 122



136, 240, 160



112, 120, 108



63, 184, 0



19, 56, 0

Inverse Universe

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



136, 157, 240



122, 149, 255



160, 136, 240



108, 110, 120



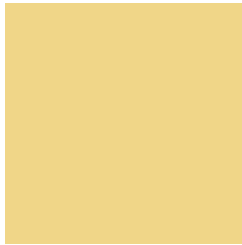
0, 37, 184



0, 11, 56

Previews

White Background



This preview shows how the RYB color 171, 240, 136 looks on a white background.

Color Contrast Check

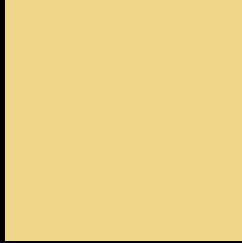
Large Text (above 18pt) WCAG AA × Fail

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 171, 240, 136 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 171, 240, 136 Background



This preview shows how black text looks on a background with the RYB color 171, 240, 136.



This preview shows how white text looks on a background with the RYB color 171, 240, 136.

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
171, 240, 136

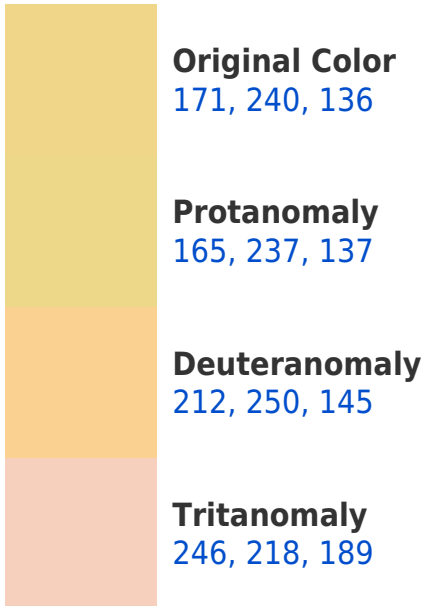
Protanopia
161, 235, 137

Deuteranopia
238, 255, 150

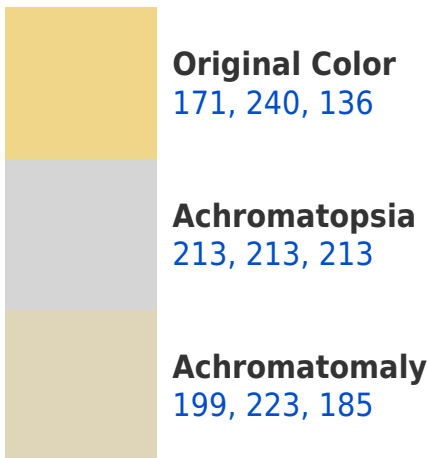


Tritanopia
249, 204, 219

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 240, 136 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(240, 214, 136) looks like.

```
.text, #text, p{  
    color:rgb(240, 214, 136)  
}
```

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(240, 214, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 214, 136) }
```

Border

The CSS property to change the border of an element to RYB 171, 240, 136 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(240, 214, 136) }
```

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

```
.border{ border-color:rgb(240, 214, 136) }
```

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

Here you see how a box with a 4 pixel rgb(240, 214, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 214, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 214, 136);  
box-shadow:4px 4px 4px 4px rgb(240, 214,  
136) }
```

Background

The CSS property to change the background color of an element to RYB 171, 240, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 214, 136) }
```

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

```
.background{ background-color: rgb(240,  
214, 136) }
```

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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