

Converting Colors

`RYB(160, 221, 131)`

Have a look what the booklet for
RYB(160, 221, 131) contains.

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Color

R_YB(160, 221, 131)

Conversions

Conversions Part 1

Format	Color
Hex	DDC783
RGB	221, 199, 131
RGB Percent	87%, 78%, 51%
CMY	0.1333, 0.2193, 0.4863
CMYK	0.00, 0.10, 0.41, 0.13
HSL	45°, 57%, 69%
HSV	45°, 41%, 87%
XYZ	54.3544, 57.8886, 29.7816
YIQ	197.8260, 34.9400, -16.4840

Conversions

Conversions Part 2

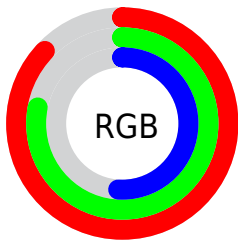
Format	Color
R _{YB}	160, 221, 131
Decimal	14534531
CIE Lab	80.68, -1.69, 36.86
CIE LCh	81, 36.898, 92.626
Yxy	57.8886, 0.3827, 0.4076
Android (android.graphics.Color)	4292724611 (0xFFDDC783)
YUV	197.8260, -32.9452, 20.3236
Hunter-Lab	76.0846, -5.6286, 30.0515

Details

The RYB color **160, 221, 131** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **131, 149, 221**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **185, 255, 185**, and **105, 164, 80** is the 20% darker color. If you saturate the color by 10%, you get **145, 221, 109**, and if you desaturate by 10%, it is **176, 221, 153**.

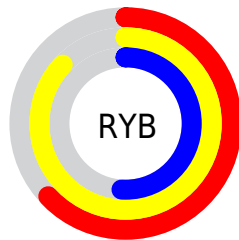
Distribution



Red (87%)

Green (78%)

Blue (51%)



Red (63%)

Yellow (87%)

Blue (51%)

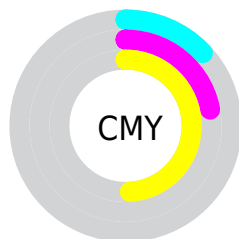


Cyan (0%)

Magenta (10%)

Yellow (41%)

Black (13%)



Cyan (13%)

Magenta (22%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 160, 221, 131 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 160, 221, 131 by changing the saturation by 10% instead.

 160, 221, 131


255, 255, 255

 185, 255, 185

 213, 255, 213


 241, 255, 241

 160, 221, 131

 131, 192, 105

 105, 164, 80

 78, 137, 56

 51, 110, 32

 23, 85, 7

 13, 60, 0

 7, 35, 0

 0, 4, 4


 0, 0, 0

 160, 221, 131


 160, 221, 131

 145, 221, 109


 176, 221, 153

 131, 221, 87

 189, 221, 175

 115, 221, 65


 205, 221, 197


 100, 221, 43


 219, 221, 219


 86, 221, 21


 221, 225, 242

 71, 221, 0

 221, 229, 255

 221, 232, 255

 221, 234, 255

 221, 236, 255

Harmonies

Analogous

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



250, 222, 140



160, 221, 131



141, 209, 166

Triad

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



160, 221, 131



81, 154, 236



247, 179, 233

Complementary

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



160, 221, 131



131, 149, 221

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.



209, 190, 255



160, 221, 131



107, 168, 255

Square

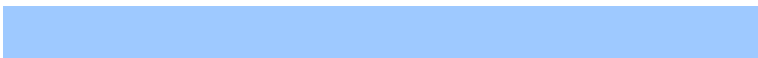
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



160, 221, 131



103, 166, 219



158, 188, 255



255, 174, 198

Rectangle

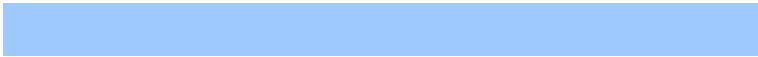
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



160, 221, 131



157, 214, 214



158, 188, 255



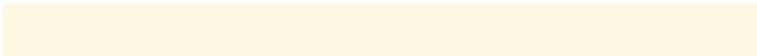
236, 182, 242

Sweetspot

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



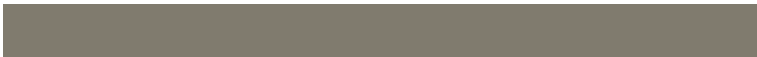
160, 221, 131



233, 255, 224



221, 131, 154



117, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



160, 221, 131



169, 255, 130



131, 221, 153



103, 110, 99



55, 173, 0



14, 46, 0

Inverse Universe

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



131, 149, 221



130, 155, 255



154, 131, 221



99, 101, 110



0, 34, 173



0, 9, 46

Previews

White Background



This preview shows how the RYB color 160, 221, 131 looks on a white background.

Color Contrast Check

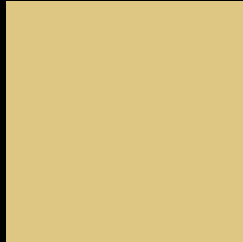
Large Text (above 18pt) WCAG AA × Fail

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 160, 221, 131 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 160, 221, 131 Background



This preview shows how black text looks on a background with the RYB color 160, 221, 131.



This preview shows how white text looks on a background with the RYB color 160, 221, 131.

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
160, 221, 131

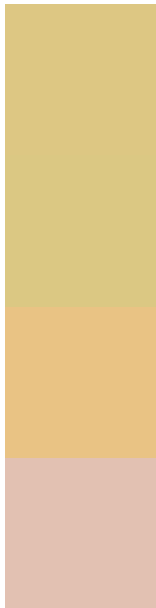
Protanopia
154, 218, 131

Deuteranopia
220, 240, 133



Tritanopia
229, 190, 205

Trichromacy



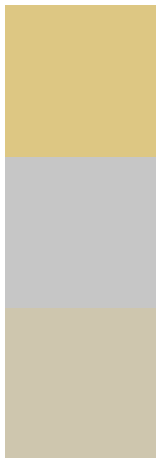
Original Color
160, 221, 131

Protanomaly
155, 219, 131

Deuteranomaly
193, 233, 132

Tritanomaly
226, 200, 178

Monochromacy



Original Color
160, 221, 131

Achromatopsia
198, 198, 198

Achromatomaly
185, 206, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 160, 221, 131 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(221, 199, 131)` looks like.

```
.text, #text, p{  
    color:rgb(221, 199, 131)  
}
```

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(221, 199, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 199, 131) }
```

Border

The CSS property to change the border of an element to RYB 160, 221, 131 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(221, 199, 131) }
```

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

```
.border{ border-color:rgb(221, 199, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 199, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 199, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 199, 131);  
box-shadow:4px 4px 4px 4px rgb(221, 199,  
131) }
```

Background

The CSS property to change the background color of an element to RYB 160, 221, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 199, 131) }
```

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

```
.background{ background-color: rgb(221,  
199, 131) }
```

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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