

Converting Colors

`RYB(180, 141, 235)`

Have a look what the booklet for
RYB(180, 141, 235) contains.

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Color

R_YB(180, 141, 235)

Conversions

Conversions Part 1

Format	Color
Hex	B48DEB
RGB	180, 141, 235
RGB Percent	71%, 55%, 92%
CMY	0.2941, 0.4471, 0.0784
CMYK	0.23, 0.40, 0.00, 0.08
HSL	265°, 70%, 74%
HSV	265°, 40%, 92%
XYZ	43.3427, 34.7512, 83.0205
YIQ	163.3770, -6.9300, 37.5020

Conversions

Conversions Part 2

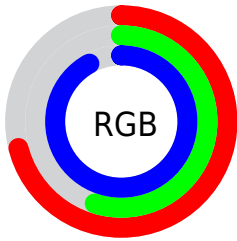
Format	Color
RYB	180, 141, 235
Decimal	11832811
CIELab	65.55, 33.33, -42.10
CIELCh	66, 53.696, 308.363
Yxy	34.7512, 0.2690, 0.2157
Android (android.graphics.Color)	4290022891 (0xFFB48DEB)
YUV	163.3770, 35.3101, 14.5784
Hunter-Lab	58.9502, 28.0780, -42.2340

Details

The RYB color **180, 141, 235** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **141, 235, 180**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **237, 195, 255**, and **125, 90, 179** is the 20% darker color. If you saturate the color by 10%, you get **166, 118, 235**, and if you desaturate by 10%, it is **194, 165, 235**.

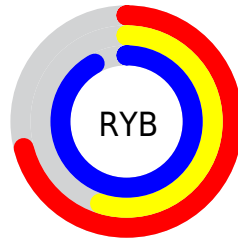
Distribution



Red (71%)

Green (55%)

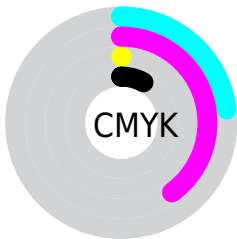
Blue (92%)



Red (71%)

Yellow (55%)

Blue (92%)

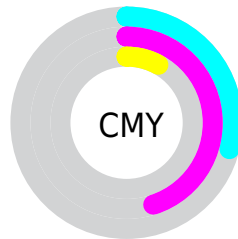


Cyan (23%)

Magenta (40%)

Yellow (0%)

Black (8%)



Cyan (29%)


Magenta (45%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 141, 235 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, 141, 235 by changing the saturation by 10% instead.


 180, 141, 235


255, 255, 255

 237, 195, 255

 255, 223, 255

 255, 252, 255

 180, 141, 235

 152, 115, 207

 125, 90, 179

 99, 66, 152

 72, 43, 125


 46, 20, 100

 19, 0, 75


 0, 0, 52

 0, 2, 30


 0, 0, 0

 180, 141, 235


 180, 141, 235


 166, 118, 235

 194, 165, 235

 153, 94, 235


 208, 188, 235

 139, 71, 235


 221, 212, 235

 125, 47, 235

 235, 235, 235

 111, 23, 235

 235, 255, 241

 98, 0, 235

 235, 255, 235

Harmonies

Analogous

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



95, 141, 254



180, 141, 235



229, 123, 196

Triad

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



180, 141, 235



205, 215, 68



0, 94, 183

Complementary

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



180, 141, 235



141, 235, 180

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.



41, 130, 181



180, 141, 235



73, 174, 58

Square

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



180, 141, 235



242, 131, 102



80, 173, 131



0, 99, 218

Rectangle

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



180, 141, 235



245, 117, 164



80, 173, 131



0, 99, 183

Sweetspot

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



180, 141, 235



237, 224, 255



141, 176, 235



117, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



180, 141, 235



183, 133, 255



226, 141, 235



110, 106, 117



75, 0, 181



22, 0, 54

Inverse Universe

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



235, 141, 196



255, 133, 204



141, 235, 226



117, 106, 112



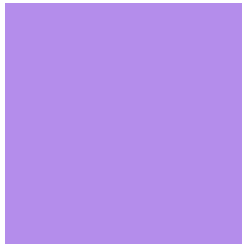
181, 0, 106



54, 0, 31

Previews

White Background



This preview shows how the RYB color 180, 141, 235 looks on a white background.

Color Contrast Check

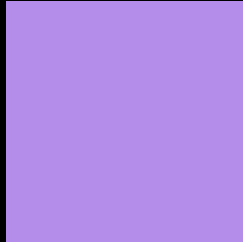
Large Text (above 18pt) WCAG AA × Fail

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, 141, 235 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, 141, 235 Background



This preview shows how black text looks on a background with the RYB color 180, 141, 235.

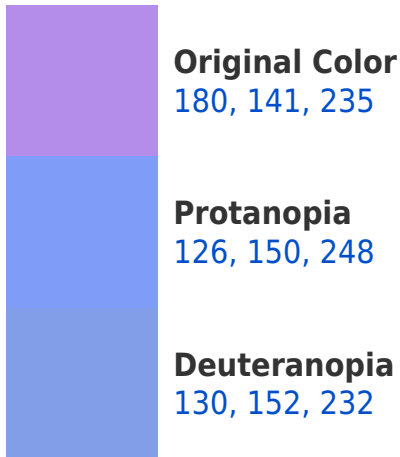


This preview shows how white text looks on a background with the RYB color 180, 141, 235.

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





Tritanopia
168, 155, 168

Trichromacy



Original Color

180, 141, 235



Protanomaly

146, 151, 243



Deuteranomaly

148, 152, 233



Tritanomaly

172, 150, 192

Monochromacy



Original Color

180, 141, 235



Achromatopsia

163, 163, 163



Achromatomaly

169, 155, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 141, 235 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(180, 141, 235) looks like.

```
.text, #text, p{  
    color:rgb(180, 141, 235)  
}
```

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(180, 141, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 141, 235) }
```

Border

The CSS property to change the border of an element to RYB 180, 141, 235 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(180, 141, 235) }
```

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

```
.border{ border-color:rgb(180, 141, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 141, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 141, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 141, 235);  
box-shadow:4px 4px 4px 4px rgb(180, 141,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 180, 141, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 141, 235) }
```

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

```
.background{ background-color: rgb(180,  
141, 235) }
```

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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