

Converting Colors

`RYB(137, 178, 214)`

Have a look what the booklet for RYB(137, 178, 214) contains.

RYB(137, 178, 214)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(137, 178, 214)

Conversions

Conversions Part 1

Format	Color
Hex	89D6CD
RGB	137, 214, 205
RGB Percent	54%, 84%, 80%
CMY	0.4627, 0.1608, 0.1976
CMYK	0.36, 0.00, 0.04, 0.16
HSL	173°, 48%, 69%
HSV	173°, 36%, 84%
XYZ	45.3355, 57.8005, 66.2781
YIQ	189.9510, -43.0030, -19.1230

Conversions

Conversions Part 2

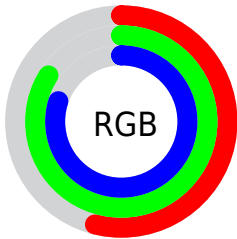
Format	Color
RYB	137, 178, 214
Decimal	9033421
CIELab	80.63, -25.83, -2.90
CIElCh	81, 25.997, 186.403
Yxy	57.8005, 0.2676, 0.3412
Android (android.graphics.Color)	4287223501 (0xFF89D6CD)
YUV	189.9510, 7.4192, -46.4380
Hunter-Lab	76.0266, -26.6051, 1.5311

Details

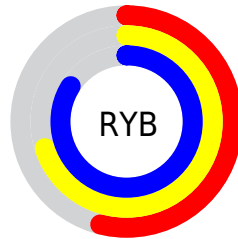
The RYB color **137, 178, 214** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **214, 137, 146**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **193, 224, 255**, and **82, 123, 159** is the 20% darker color. If you saturate the color by 10%, you get **116, 168, 214**, and if you desaturate by 10%, it is **158, 188, 214**.

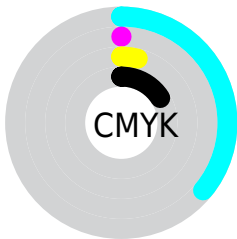
Distribution



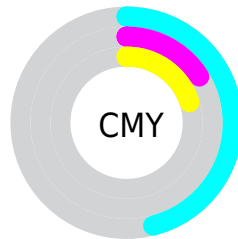
- Red (54%)
- Green (84%)
- Blue (80%)



- Red (54%)
- Yellow (70%)
- Blue (84%)



- Cyan (36%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)



- Cyan (46%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 178, 214 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 137, 178, 214 by changing the saturation by 10% instead.

 137, 178, 214


255, 255, 255


 193, 224, 255

 222, 239, 255

 251, 253, 255

 137, 178, 214

 110, 150, 186

 82, 123, 159

 55, 96, 133

 23, 67, 107

 0, 43, 83

 0, 31, 59


 0, 20, 37

 0, 3, 9


 0, 0, 0


 137, 178, 214


 137, 178, 214

 116, 168, 214


 158, 188, 214

 94, 158, 214


 180, 198, 214

 73, 148, 214


 201, 208, 214

 51, 138, 214

 223, 214, 215

 30, 128, 214

 244, 214, 218

 9, 118, 214

 255, 214, 220

 0, 114, 214

 255, 214, 223

 255, 214, 225

 255, 214, 228

Harmonies

Analogous

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



159, 197, 212



137, 178, 214



131, 175, 228

Triad

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



137, 178, 214



211, 192, 239



235, 222, 156

Complementary

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



137, 178, 214



214, 137, 146

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.



248, 188, 172



137, 178, 214



236, 185, 220

Square

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



137, 178, 214



178, 195, 248



249, 183, 196



169, 213, 152

Rectangle

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



137, 178, 214



140, 181, 240



249, 183, 196



241, 206, 161

Sweetspot

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



137, 178, 214



227, 242, 255



137, 214, 204



111, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



137, 178, 214



145, 203, 255



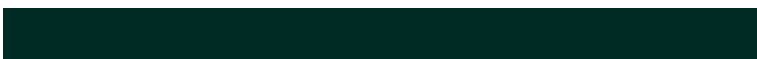
137, 167, 214



96, 102, 107



0, 91, 171



0, 23, 43

Inverse Universe

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



214, 137, 146



255, 145, 159



214, 181, 137



107, 96, 98



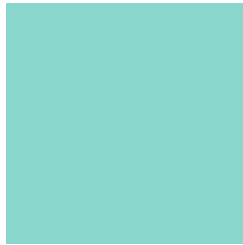
171, 0, 21



43, 0, 5

Previews

White Background



This preview shows how the RYB color 137, 178, 214 looks on a white background.

Color Contrast Check

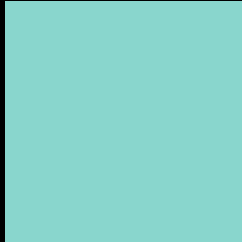
Large Text (above 18pt) WCAG AA × Fail

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 137, 178, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

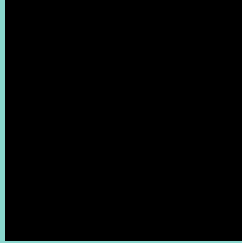
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

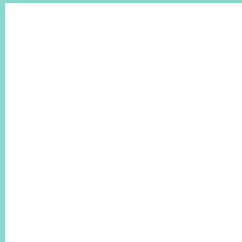
Any Text WCAG AAA ✓ Pass

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

RYB 137, 178, 214 Background



This preview shows how black text looks on a background with the RYB color 137, 178, 214.



This preview shows how white text looks on a background with the RYB color 137, 178, 214.

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](#).

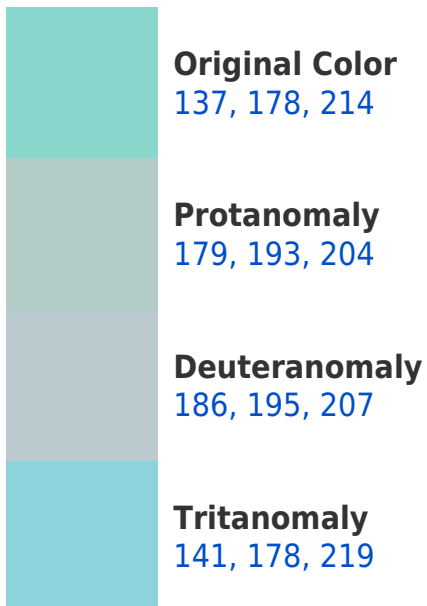
Dichromacy



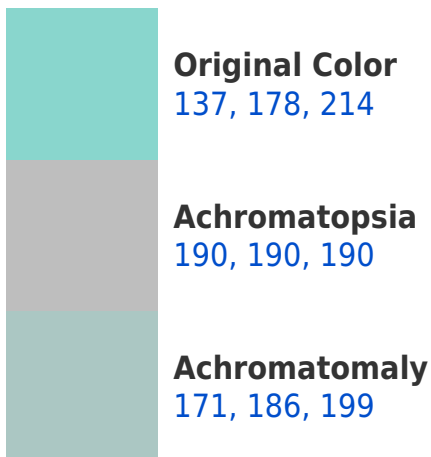


Tritanopia
143, 181, 227

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 178, 214 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(137, 214, 205)` looks like.

```
.text, #text, p{  
    color:rgb(137, 214, 205)  
}
```

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(137, 214, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 214, 205) }
```

Border

The CSS property to change the border of an element to RYB 137, 178, 214 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(137, 214, 205) }
```

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

```
.border{ border-color:rgb(137, 214, 205) }
```

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

Here you see how a box with a 4 pixel rgb(137, 214, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 214, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 214, 205);  
box-shadow:4px 4px 4px 4px rgb(137, 214,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 137, 178, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 214, 205) }
```

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

```
.background{ background-color: rgb(137,  
214, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor