

Converting Colors

`RYB(132, 178, 215)`

Have a look what the booklet for
RYB(132, 178, 215) contains.

RYB(132, 178, 215)	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(132, 178, 215)

Conversions

Conversions Part 1

Format	Color
Hex	84D7C7
RGB	132, 215, 199
RGB Percent	52%, 84%, 78%
CMY	0.4824, 0.1569, 0.2205
CMYK	0.39, 0.00, 0.08, 0.16
HSL	168°, 51%, 68%
HSV	168°, 39%, 84%
XYZ	44.0972, 57.6188, 62.6848
YIQ	188.3590, -44.3320, -22.5720

Conversions

Conversions Part 2

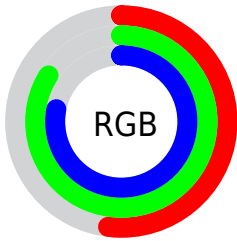
Format	Color
RYB	132, 178, 215
Decimal	8705991
CIELab	80.53, -28.99, 0.05
CIELCh	81, 28.988, 179.908
Yxy	57.6188, 0.2682, 0.3505
Android (android.graphics.Color)	4286896071 (0xFF84D7C7)
YUV	188.3590, 5.2460, -49.4268
Hunter-Lab	75.9071, -29.1402, 4.1727

Details

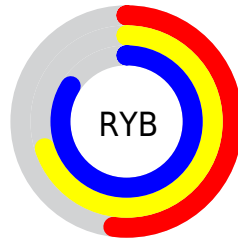
The RYB color **132, 178, 215** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **215, 132, 148**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **188, 222, 255**, and **77, 123, 160** is the 20% darker color. If you saturate the color by 10%, you get **111, 169, 215**, and if you desaturate by 10%, it is **154, 188, 215**.

Distribution



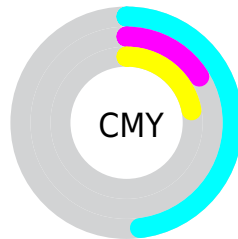
- Red (52%)
- Green (84%)
- Blue (78%)



- Red (52%)
- Yellow (70%)
- Blue (84%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)




- Cyan (48%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 132, 178, 215 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 132, 178, 215 by changing the saturation by 10% instead.


 132, 178, 215


255, 255, 255


 188, 222, 255

 217, 236, 255

 246, 251, 255

 132, 178, 215


 104, 150, 187

 77, 123, 160

 48, 94, 133

 10, 62, 108

 0, 45, 83


 0, 32, 59


 0, 22, 38


 0, 3, 4


 0, 0, 0


 132, 178, 215


 132, 178, 215

 111, 169, 215


 154, 188, 215

 89, 159, 215


 175, 197, 215

 68, 150, 215

 197, 207, 215

 46, 140, 215


 218, 215, 216

 24, 130, 215

 240, 215, 220

 3, 120, 215

 255, 215, 224

 0, 119, 215

 255, 215, 228

 255, 215, 232

 255, 215, 237

Harmonies

Analogous

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



160, 202, 212



132, 178, 215



119, 169, 226

Triad

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



132, 178, 215



204, 193, 247



242, 212, 154

Complementary

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



132, 178, 215



215, 132, 148

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.



254, 183, 174



132, 178, 215



235, 184, 227

Square

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



132, 178, 215



166, 191, 253



252, 180, 201



177, 220, 146

Rectangle

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



132, 178, 215



125, 175, 240



252, 180, 201



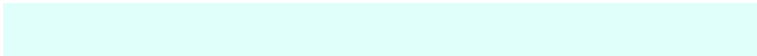
248, 198, 159

Sweetspot

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



132, 178, 215



224, 241, 255



132, 215, 198



110, 120, 128



0, 0, 0



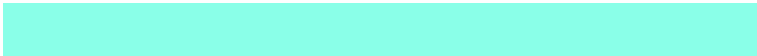
128, 128, 128

Same Dimension

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



132, 178, 215



138, 203, 255



132, 166, 215



96, 102, 107



0, 95, 171



0, 24, 43

Inverse Universe

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



215, 132, 148



255, 138, 161



215, 168, 132



107, 96, 98



171, 0, 33



43, 0, 8

Previews

White Background



This preview shows how the RYB color 132, 178, 215 looks on a white background.

Color Contrast Check

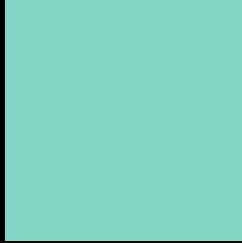
Large Text (above 18pt) WCAG AA × Fail

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 132, 178, 215 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 132, 178, 215 Background



This preview shows how black text looks on a background with the RYB color 132, 178, 215.

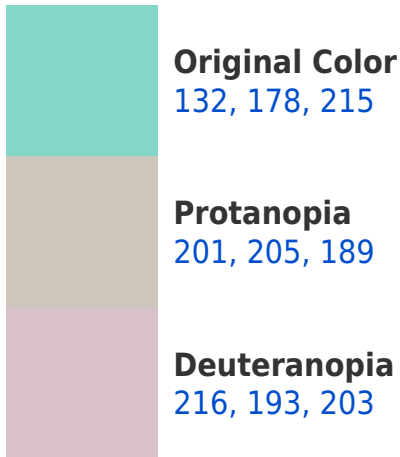


This preview shows how white text looks on a background with the RYB color 132, 178, 215.

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
139, 179, 228

Trichromacy



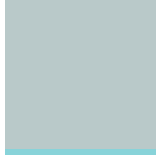
Original Color

132, 178, 215



Protanomaly

178, 194, 204



Deuteranomaly

185, 193, 201



Tritanomaly

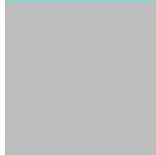
136, 175, 217

Monochromacy



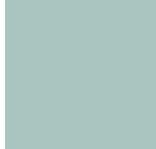
Original Color

132, 178, 215



Achromatopsia

188, 188, 188



Achromatomaly

168, 185, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 132, 178, 215 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(132, 215, 199)` looks like.

```
.text, #text, p{  
    color:rgb(132, 215, 199)  
}
```

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(132, 215, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 215, 199) }
```

Border

The CSS property to change the border of an element to RYB 132, 178, 215 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(132, 215, 199) }
```

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

```
.border{ border-color:rgb(132, 215, 199) }
```

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

Here you see how a box with a 4 pixel rgb(132, 215, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 215, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 215, 199);  
box-shadow:4px 4px 4px 4px rgb(132, 215,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 132, 178, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 215, 199) }
```

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

```
.background{ background-color: rgb(132,  
215, 199) }
```

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