

Converting Colors

`RYB(136, 185, 217)`

Have a look what the booklet for
RYB(136, 185, 217) contains.

RYB(136, 185, 217)	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(136, 185, 217)

Conversions

Conversions Part 1

Format	Color
Hex	88D9BD
RGB	136, 217, 189
RGB Percent	53%, 85%, 74%
CMY	0.4667, 0.1490, 0.2592
CMYK	0.37, 0.00, 0.13, 0.15
HSL	159°, 52%, 69%
HSV	159°, 37%, 85%
XYZ	44.1404, 58.5296, 57.0570
YIQ	189.5890, -39.2880, -25.8800

Conversions

Conversions Part 2

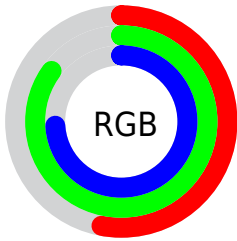
Format	Color
R _{YB}	136, 185, 217
Decimal	8968637
CIE _{Lab}	81.03, -31.04, 6.05
CIE _{LCh}	81, 31.627, 168.963
Yxy	58.5296, 0.2763, 0.3664
Android (android.graphics.Color)	4287158717 (0xFF88D9BD)
YUV	189.5890, -0.2904, -46.9976
Hunter-Lab	76.5047, -30.8951, 9.3350

Details

The RYB color **136, 185, 217** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **217, 136, 164**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **192, 226, 255**, and **82, 130, 162** is the 20% darker color. If you saturate the color by 10%, you get **114, 176, 217**, and if you desaturate by 10%, it is **158, 194, 217**.

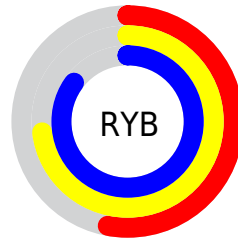
Distribution



Red (53%)

Green (85%)

Blue (74%)



Red (53%)

Yellow (73%)

Blue (85%)

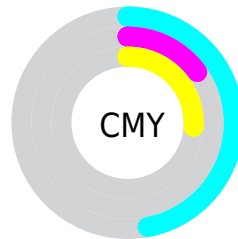


Cyan (37%)

Magenta (0%)

Yellow (13%)

Black (15%)



Cyan (47%)

Magenta (15%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 185, 217 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 136, 185, 217 by changing the saturation by 10% instead.

 136, 185, 217

255, 255, 255


 192, 226, 255


 221, 238, 255

 250, 253, 255

 136, 185, 217


 109, 157, 189

 82, 130, 162

 54, 102, 135

 22, 72, 109

 0, 49, 85


 0, 36, 61


 0, 26, 39

 0, 7, 7


 0, 0, 0

 136, 185, 217


 136, 185, 217


 114, 176, 217


 158, 194, 217

 93, 168, 217


 179, 202, 217

 71, 159, 217

 201, 211, 217

 49, 151, 217

 223, 217, 219

 28, 142, 217

 244, 217, 227

 6, 134, 217

 255, 217, 234

 0, 131, 217

 255, 217, 242

 255, 217, 249

 255, 217, 255

Harmonies

Analogous

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



162, 213, 206



136, 185, 217



112, 165, 219

Triad

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



136, 185, 217



191, 196, 255



253, 198, 158

Complementary

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



136, 185, 217



217, 136, 164

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.



255, 180, 183



136, 185, 217



228, 187, 240

Square

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



136, 185, 217



148, 186, 255



253, 180, 213



205, 232, 144

Rectangle

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



136, 185, 217



111, 168, 237



253, 180, 213



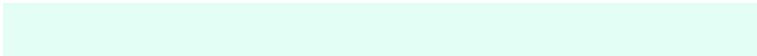
255, 188, 165

Sweetspot

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



136, 185, 217



227, 244, 255



136, 217, 189



111, 121, 128



0, 0, 0



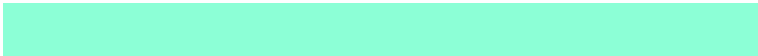
128, 128, 128

Same Dimension

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



136, 185, 217



140, 210, 255



136, 173, 217



99, 106, 110



0, 105, 173



0, 28, 46

Inverse Universe

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



217, 136, 164



255, 140, 180



217, 150, 136



110, 99, 102



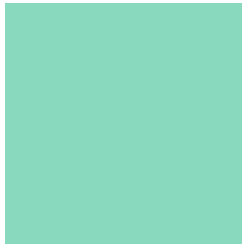
173, 0, 60



46, 0, 16

Previews

White Background



This preview shows how the RYB color 136, 185, 217 looks on a white background.

Color Contrast Check

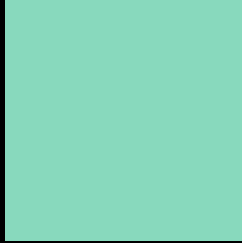
Large Text (above 18pt) WCAG AA × Fail

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 136, 185, 217 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

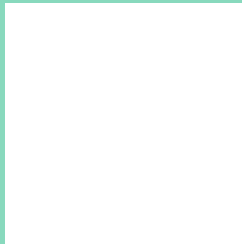
Any Text WCAG AAA ✓ Pass

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

RYB 136, 185, 217 Background



This preview shows how black text looks on a background with the RYB color 136, 185, 217.

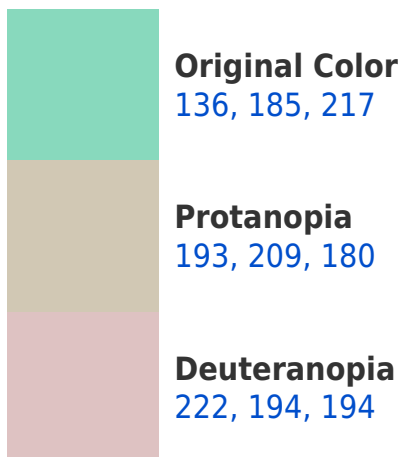


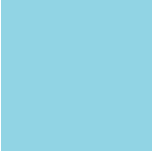
This preview shows how white text looks on a background with the RYB color 136, 185, 217.

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
145, 182, 228

Trichromacy



Original Color

136, 185, 217



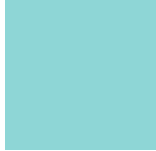
Protanomaly

182, 205, 206



Deuteranomaly

191, 201, 202



Tritanomaly

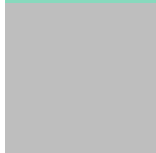
142, 178, 214

Monochromacy



Original Color

136, 185, 217



Achromatopsia

190, 190, 190



Achromatomaly

170, 188, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 185, 217 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(136, 217, 189)` looks like.

```
.text, #text, p{  
    color:rgb(136, 217, 189)  
}
```

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(136, 217, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 217, 189) }
```

Border

The CSS property to change the border of an element to RYB 136, 185, 217 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(136, 217, 189) }
```

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

```
.border{ border-color:rgb(136, 217, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 217, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 217, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 217, 189); box-shadow:4px 4px 4px 4px rgb(136, 217, 189) }
```

Background

The CSS property to change the background color of an element to RYB 136, 185, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 217, 189) }
```

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

```
.background{ background-color: rgb(136,  
217, 189) }
```

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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