

Converting Colors

`RYB(128, 189, 197)`

Have a look what the booklet for
RYB(128, 189, 197) contains.

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Color

R_YB(128, 189, 197)

Conversions

Conversions Part 1

Format	Color
Hex	80C589
RGB	128, 197, 137
RGB Percent	50%, 77%, 54%
CMY	0.4980, 0.2275, 0.4626
CMYK	0.35, 0.00, 0.30, 0.23
HSL	128°, 37%, 64%
HSV	128°, 35%, 77%
XYZ	33.3872, 46.3293, 30.8682
YIQ	169.5290, -21.8640, -33.2880

Conversions

Conversions Part 2

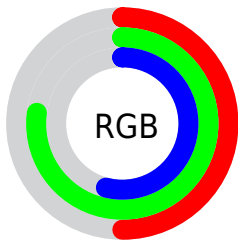
Format	Color
RYB	128, 189, 197
Decimal	8439177
CIELab	73.76, -34.10, 23.37
CIElCh	74, 41.340, 145.575
Yxy	46.3293, 0.3019, 0.4189
Android (android.graphics.Color)	4286629257 (0xFF80C589)
YUV	169.5290, -16.0368, -36.4209
Hunter-Lab	68.0656, -31.5578, 20.7575

Details

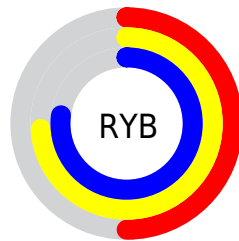
The RYB color **128, 189, 197** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **197, 128, 188**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **183, 247, 254**, and **75, 133, 143** is the 20% darker color. If you saturate the color by 10%, you get **108, 186, 197**, and if you desaturate by 10%, it is **148, 192, 197**.

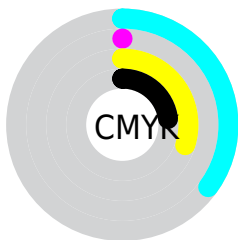
Distribution



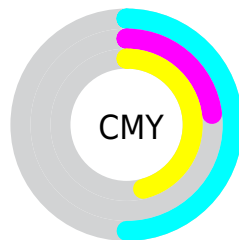
- Red (50%)
- Green (77%)
- Blue (54%)



- Red (50%)
- Yellow (74%)
- Blue (77%)



- Cyan (35%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)



- Cyan (50%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 189, 197 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 128, 189, 197 by changing the saturation by 10% instead.

 128, 189, 197


255, 255, 255


 183, 247, 254


 211, 248, 255

 240, 250, 255

 128, 189, 197

 101, 160, 169

 75, 133, 143

 49, 105, 117

 20, 76, 92

 0, 54, 68

 0, 45, 45

 0, 22, 22


 0, 0, 0


 128, 189, 197

 128, 189, 197


 108, 186, 197


 148, 192, 197

 89, 185, 197


 167, 193, 197


 69, 182, 197


 187, 196, 197


 49, 179, 197

 207, 197, 206

 29, 178, 197

 227, 197, 223

 10, 176, 197

 246, 197, 240

 0, 174, 197

 255, 197, 255

Harmonies

Analogous

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



111, 189, 127



128, 189, 197



74, 145, 201

Triad

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



128, 189, 197



114, 162, 255



254, 154, 150

Complementary

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



128, 189, 197



197, 128, 188

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.



250, 152, 188



128, 189, 197



177, 174, 250

Square

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



128, 189, 197



32, 124, 243



224, 160, 225



240, 189, 120

Rectangle

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



128, 189, 197



23, 112, 201



224, 160, 225



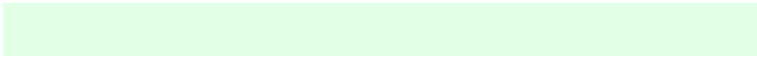
255, 152, 163

Sweetspot

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



128, 189, 197



227, 252, 255



128, 197, 136



111, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 189, 197



148, 243, 255



128, 171, 197



90, 98, 99



0, 144, 163



0, 32, 36

Inverse Universe

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



197, 128, 188



255, 148, 241



197, 128, 154



99, 90, 98



163, 0, 142



36, 0, 31

Previews

White Background



This preview shows how the RYB color 128, 189, 197 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 128, 189, 197 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 128, 189, 197 Background



This preview shows how black text looks on a background with the RYB color 128, 189, 197.

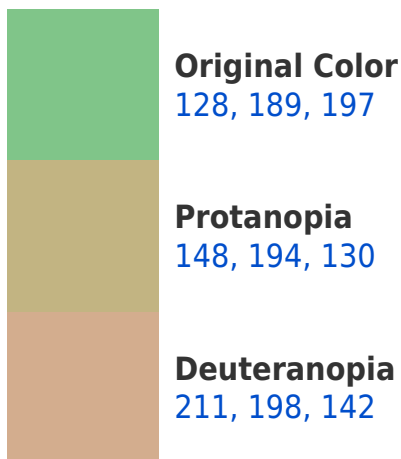


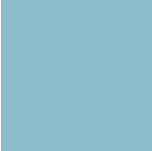
This preview shows how white text looks on a background with the RYB color 128, 189, 197.

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
141, 168, 204

Trichromacy



Original Color

128, 189, 197



Protanomaly

133, 186, 149



Deuteranomaly

140, 182, 141



Tritanomaly

136, 167, 192

Monochromacy



Original Color

128, 189, 197



Achromatopsia

170, 170, 170



Achromatomaly

155, 177, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 189, 197 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(128, 197, 137)` looks like.

```
.text, #text, p{  
    color:rgb(128, 197, 137)  
}
```

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(128, 197, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 197, 137) }
```

Border

The CSS property to change the border of an element to RYB 128, 189, 197 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(128, 197, 137) }
```

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

```
.border{ border-color:rgb(128, 197, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 197, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 197, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 197, 137); box-shadow:4px 4px 4px 4px rgb(128, 197, 137) }
```

Background

The CSS property to change the background color of an element to RYB 128, 189, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 197, 137) }
```

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

```
.background{ background-color: rgb(128,  
197, 137) }
```

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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