

Converting Colors

`RYB(128, 186, 220)`

Have a look what the booklet for
RYB(128, 186, 220) contains.

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Color

R_YB(128, 186, 220)

Conversions

Conversions Part 1

Format	Color
Hex	80DCB6
RGB	128, 220, 182
RGB Percent	50%, 86%, 71%
CMY	0.4980, 0.1373, 0.2865
CMYK	0.42, 0.00, 0.17, 0.14
HSL	155°, 57%, 68%
HSV	155°, 42%, 86%
XYZ	42.9317, 59.1501, 53.3730
YIQ	188.1600, -42.6340, -31.3220

Conversions

Conversions Part 2

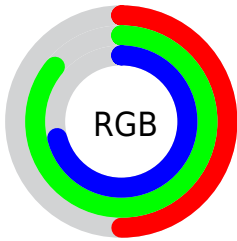
Format	Color
RYB	128, 186, 220
Decimal	8445110
CIELab	81.37, -36.08, 10.19
CIELCh	81, 37.494, 164.227
Yxy	59.1501, 0.2762, 0.3805
Android (android.graphics.Color)	4286635190 (0xFF80DCB6)
YUV	188.1600, -3.0369, -52.7603
Hunter-Lab	76.9091, -34.9500, 12.6906

Details

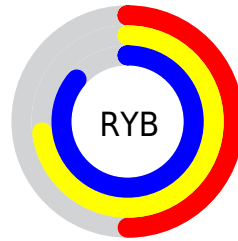
The RYB color **128, 186, 220** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **220, 128, 166**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **184, 224, 255**, and **72, 129, 164** is the 20% darker color. If you saturate the color by 10%, you get **106, 178, 220**, and if you desaturate by 10%, it is **150, 194, 220**.

Distribution



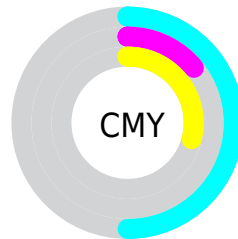
- Red (50%)
- Green (86%)
- Blue (71%)



- Red (50%)
- Yellow (73%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (17%)
- Black (14%)



- Cyan (50%)
- Magenta (14%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 186, 220 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, 186, 220 by changing the saturation by 10% instead.


 128, 186, 220


255, 255, 255


 184, 224, 255


 213, 234, 255

 243, 249, 255

 128, 186, 220

 100, 158, 192


 72, 129, 164

 42, 100, 138

 0, 65, 112

 0, 53, 87

 0, 41, 63


 0, 31, 41


 0, 9, 9


 0, 0, 0

 128, 186, 220


 128, 186, 220

 106, 178, 220


 150, 194, 220

 84, 170, 220


 172, 202, 220

 62, 161, 220

 194, 210, 220

 40, 153, 220

 216, 219, 220

 18, 146, 220

 238, 220, 227

 0, 139, 220

 255, 220, 237

 255, 220, 246

 255, 220, 255

Harmonies

Analogous

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



151, 215, 196



128, 186, 220



90, 156, 221

Triad

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



128, 186, 220



180, 196, 255



255, 192, 155

Complementary

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



128, 186, 220



220, 128, 166

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, 176, 187



128, 186, 220



228, 187, 253

Square

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



128, 186, 220



126, 177, 255



255, 178, 222



225, 243, 135

Rectangle

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



128, 186, 220



80, 155, 240



255, 178, 222



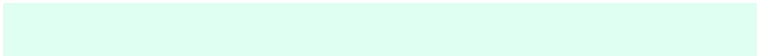
255, 182, 164

Sweetspot

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



128, 186, 220



222, 243, 255



128, 220, 182



107, 120, 128



0, 0, 0



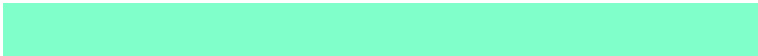
128, 128, 128

Same Dimension

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



128, 186, 220



128, 208, 255



128, 172, 220



99, 106, 110



0, 109, 173



0, 29, 46

Inverse Universe

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



220, 128, 166



255, 128, 180



220, 137, 128



110, 99, 103



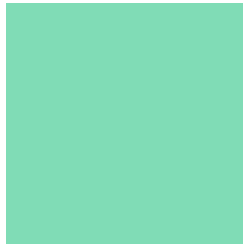
173, 0, 72



46, 0, 19

Previews

White Background



This preview shows how the RYB color 128, 186, 220 looks on a white background.

Color Contrast Check

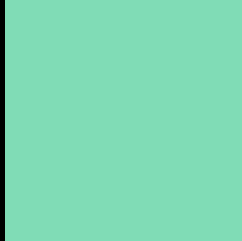
Large Text (above 18pt) WCAG AA × Fail

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, 186, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

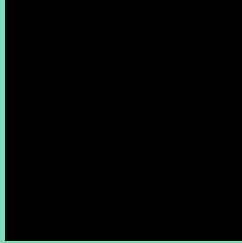
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

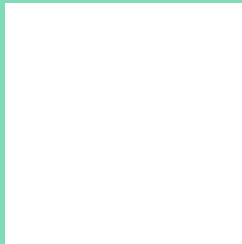
Any Text WCAG AAA ✓ Pass

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

RYB 128, 186, 220 Background



This preview shows how black text looks on a background with the RYB color 128, 186, 220.

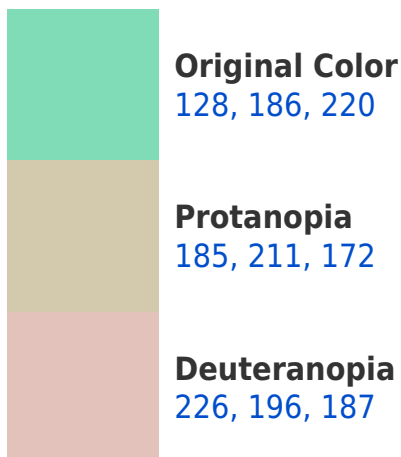


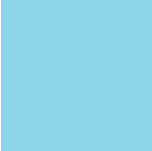
This preview shows how white text looks on a background with the RYB color 128, 186, 220.

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





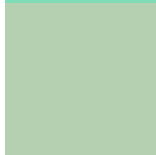
Tritanopia
140, 180, 230

Trichromacy



Original Color

128, 186, 220



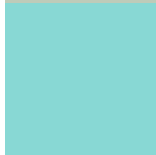
Protanomaly

176, 208, 203



Deuteranomaly

185, 203, 198



Tritanomaly

136, 177, 216

Monochromacy



Original Color

128, 186, 220



Achromatopsia

188, 188, 188



Achromatomaly

166, 187, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 186, 220 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, 220, 182)` looks like.

```
.text, #text, p{  
    color:rgb(128, 220, 182)  
}
```

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, 220, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 220, 182) }
```

Border

The CSS property to change the border of an element to RYB 128, 186, 220 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, 220, 182) }
```

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

```
.border{ border-color:rgb(128, 220, 182) }
```

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

Here you see how a box with a 4 pixel rgb(128, 220, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 220, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 220, 182);  
box-shadow:4px 4px 4px 4px rgb(128, 220,  
182) }
```

Background

The CSS property to change the background color of an element to RYB 128, 186, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 220, 182) }
```

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

```
.background{ background-color: rgb(128,  
220, 182) }
```

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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