

Converting Colors

`RYB(132, 198, 227)`

Have a look what the booklet for
RYB(132, 198, 227) contains.

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Color

R_YB(132, 198, 227)

Conversions

Conversions Part 1

Format	Color
Hex	84E3AE
RGB	132, 227, 174
RGB Percent	52%, 89%, 68%
CMY	0.4824, 0.1098, 0.3187
CMYK	0.42, 0.00, 0.23, 0.11
HSL	146°, 63%, 70%
HSV	146°, 42%, 89%
XYZ	44.5997, 62.8897, 49.7011
YIQ	192.5530, -39.6070, -36.6230

Conversions

Conversions Part 2

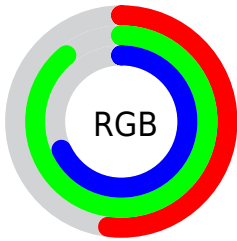
Format	Color
RYB	132, 198, 227
Decimal	8709038
CIELab	83.38, -39.84, 17.36
CIELCh	83, 43.460, 156.456
Yxy	62.8897, 0.2837, 0.4001
Android (android.graphics.Color)	4286899118 (0xFF84E3AE)
YUV	192.5530, -9.1466, -53.1050
Hunter-Lab	79.3030, -38.3926, 18.3536

Details

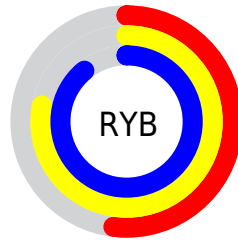
The RYB color **132, 198, 227** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **227, 132, 185**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **189, 230, 255**, and **76, 140, 171** is the 20% darker color. If you saturate the color by 10%, you get **109, 191, 227**, and if you desaturate by 10%, it is **155, 205, 227**.

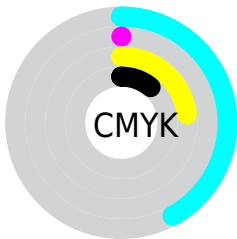
Distribution



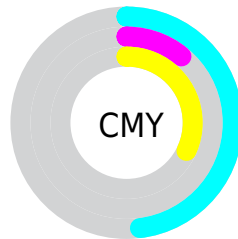
- Red (52%)
- Green (89%)
- Blue (68%)



- Red (52%)
- Yellow (78%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)





- Cyan (48%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the RYB color 132, 198, 227 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, 198, 227 by changing the saturation by 10% instead.


 132, 198, 227

 132, 198, 227


255, 255, 255

 104, 169, 199

 189, 230, 255

 76, 140, 171

 218, 237, 255

 46, 111, 144

 247, 251, 255

 3, 75, 118

 0, 61, 93


 0, 48, 68

 0, 41, 45

 0, 20, 20


 0, 0, 0

 132, 198, 227


 132, 198, 227

 109, 191, 227


 155, 205, 227

 87, 185, 227


 177, 212, 227

 64, 177, 227


 200, 219, 227

 41, 170, 227

 223, 226, 227

 19, 164, 227

 246, 227, 237

 0, 158, 227

 255, 227, 250

 255, 227, 255

Harmonies

Analogous

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



141, 220, 179



132, 198, 227



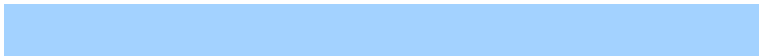
75, 156, 230

Triad

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



132, 198, 227



163, 194, 255



255, 186, 161

Complementary

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



132, 198, 227



227, 132, 185

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, 200



132, 198, 227



224, 194, 255

Square

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



132, 198, 227



91, 164, 255



255, 181, 241



255, 255, 133

Rectangle

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



132, 198, 227



37, 136, 243



255, 181, 241



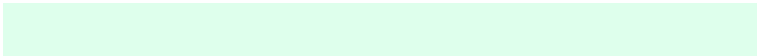
255, 178, 173

Sweetspot

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



132, 198, 227



222, 245, 255



132, 227, 173



107, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



132, 198, 227



128, 216, 255



132, 181, 227



103, 111, 115



0, 125, 179



0, 36, 51

Inverse Universe

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



227, 132, 185



255, 128, 199



227, 132, 138



115, 103, 110



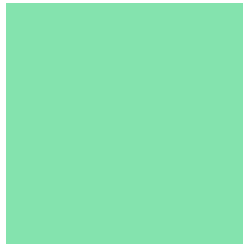
179, 0, 100



51, 0, 29

Previews

White Background



This preview shows how the RYB color 132, 198, 227 looks on a white background.

Color Contrast Check

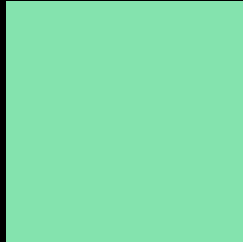
Large Text (above 18pt) WCAG AA × Fail

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, 198, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

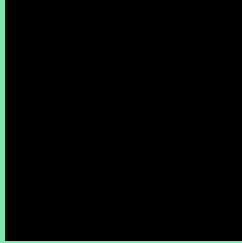
Any Text WCAG AA ✓ Pass

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, 198, 227 Background



This preview shows how black text looks on a background with the RYB color 132, 198, 227.

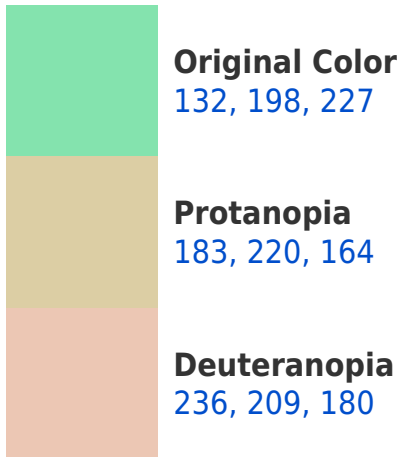



This preview shows how white text looks on a background with the RYB color 132, 198, 227.

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
147, 187, 236

Trichromacy



Original Color

132, 198, 227



Protanomaly

168, 214, 194



Deuteranomaly

178, 209, 189



Tritanomaly

142, 184, 222

Monochromacy



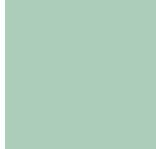
Original Color

132, 198, 227



Achromatopsia

193, 193, 193



Achromatomaly

171, 195, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 132, 198, 227 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, 227, 174)` looks like.

```
.text, #text, p{  
    color:rgb(132, 227, 174)  
}
```

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, 227, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 227, 174) }
```

Border

The CSS property to change the border of an element to RYB 132, 198, 227 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, 227, 174) }
```

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

```
.border{ border-color:rgb(132, 227, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 227, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 227, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 227, 174);  
box-shadow:4px 4px 4px 4px rgb(132, 227,  
174) }
```

Background

The CSS property to change the background color of an element to RYB 132, 198, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 227, 174) }
```

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

```
.background{ background-color: rgb(132,  
227, 174) }
```

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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