

Converting Colors

`RYB(142, 199, 237)`

Have a look what the booklet for
RYB(142, 199, 237) contains.

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Color

R_YB(142, 199, 237)

Conversions

Conversions Part 1

Format	Color
Hex	8EEDCD
RGB	142, 237, 205
RGB Percent	56%, 93%, 80%
CMY	0.4431, 0.0706, 0.1948
CMYK	0.40, 0.00, 0.13, 0.07
HSL	160°, 73%, 74%
HSV	160°, 40%, 93%
XYZ	52.4993, 70.7431, 68.8566
YIQ	204.9470, -46.3480, -30.0920

Conversions

Conversions Part 2

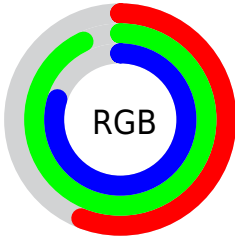
Format	Color
RYB	142, 199, 237
Decimal	9366989
CIELab	87.36, -35.27, 6.54
CIELCh	87, 35.875, 169.499
Yxy	70.7431, 0.2733, 0.3683
Android (android.graphics.Color)	4287557069 (0xFF8EEDCD)
YUV	204.9470, 0.0261, -55.2045
Hunter-Lab	84.1089, -35.7741, 10.3379

Details

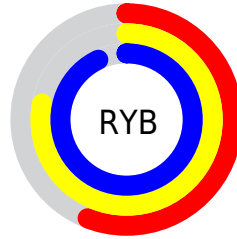
The RYB color **142, 199, 237** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **237, 142, 174**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **199, 227, 255**, and **86, 142, 181** is the 20% darker color. If you saturate the color by 10%, you get **118, 190, 237**, and if you desaturate by 10%, it is **166, 209, 237**.

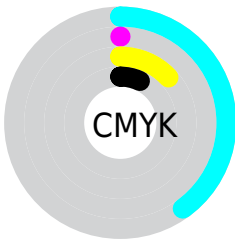
Distribution



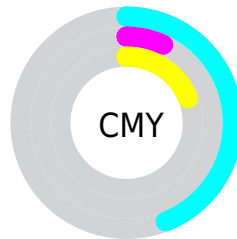
- Red (56%)
- Green (93%)
- Blue (80%)



- Red (56%)
- Yellow (78%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)




- Cyan (44%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 142, 199, 237 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 142, 199, 237 by changing the saturation by 10% instead.


 142, 199, 237


255, 255, 255


 199, 227, 255


 228, 242, 255

 142, 199, 237

 114, 170, 208

 86, 142, 181

 57, 114, 154

 21, 82, 127

 0, 58, 102


 0, 45, 77


 0, 33, 53

 0, 25, 33


 0, 0, 0

 142, 199, 237


 142, 199, 237

 118, 190, 237


 166, 209, 237

 95, 180, 237


 189, 218, 237

 71, 170, 237

 213, 227, 237

 47, 161, 237

 237, 237, 237

 24, 152, 237

 255, 237, 245

 0, 142, 237

 255, 237, 253

 255, 237, 255

Harmonies

Analogous

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



174, 232, 225



142, 199, 237



113, 176, 240

Triad

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



142, 199, 237



207, 213, 255



255, 221, 168

Complementary

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



142, 199, 237



237, 142, 174

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, 194, 198



142, 199, 237



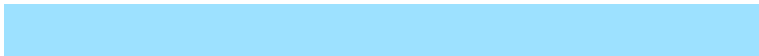
251, 203, 255

Square

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



142, 199, 237



157, 197, 255



255, 195, 232



221, 254, 152

Rectangle

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



142, 199, 237



111, 178, 255



255, 195, 232



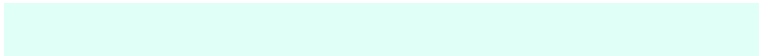
255, 206, 177

Sweetspot

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



142, 199, 237



224, 242, 255



142, 237, 205



110, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



142, 199, 237



133, 206, 255



142, 185, 237



106, 113, 117



0, 108, 181



0, 32, 54

Inverse Universe

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



237, 142, 174



255, 133, 173



237, 161, 142



117, 106, 109



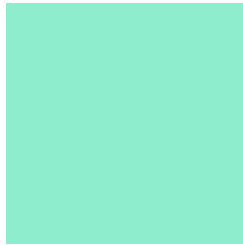
181, 0, 60



54, 0, 18

Previews

White Background



This preview shows how the RYB color 142, 199, 237 looks on a white background.

Color Contrast Check

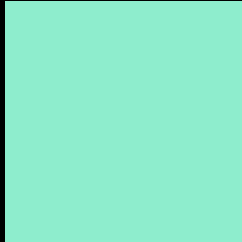
Large Text (above 18pt) WCAG AA × Fail

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 142, 199, 237 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 142, 199, 237 Background



This preview shows how black text looks on a background with the RYB color 142, 199, 237.

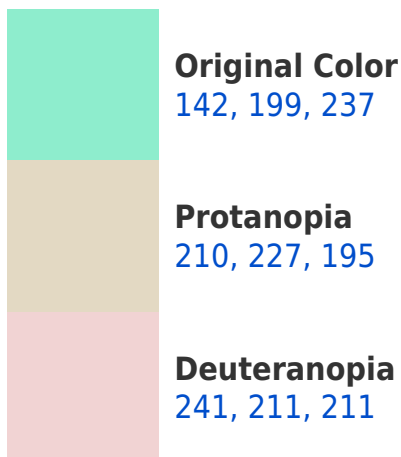



This preview shows how white text looks on a background with the RYB color 142, 199, 237.

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





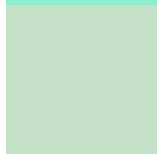
Tritanopia
153, 196, 249

Trichromacy



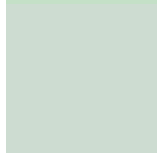
Original Color

142, 199, 237



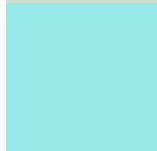
Protanomaly

196, 221, 224



Deuteranomaly

205, 217, 220



Tritanomaly

149, 191, 233

Monochromacy



Original Color

142, 199, 237



Achromatopsia

205, 205, 205



Achromatomaly

182, 203, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 142, 199, 237 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(142, 237, 205)` looks like.

```
.text, #text, p{  
    color:rgb(142, 237, 205)  
}
```

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(142, 237, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 237, 205) }
```

Border

The CSS property to change the border of an element to RYB 142, 199, 237 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(142, 237, 205) }
```

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

```
.border{ border-color:rgb(142, 237, 205) }
```

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

Here you see how a box with a 4 pixel rgb(142, 237, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 237, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 237, 205);  
box-shadow:4px 4px 4px 4px rgb(142, 237,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 142, 199, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 237, 205) }
```

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

```
.background{ background-color: rgb(142,  
237, 205) }
```

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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