

Converting Colors

`RYB(144, 189, 233)`

Have a look what the booklet for RYB(144, 189, 233) contains.

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Color

R_YB(144, 189, 233)

Conversions

Conversions Part 1

Format	Color
Hex	90E9E7
RGB	144, 233, 231
RGB Percent	56%, 91%, 91%
CMY	0.4353, 0.0863, 0.0940
CMYK	0.38, 0.00, 0.01, 0.09
HSL	179°, 67%, 74%
HSV	179°, 38%, 91%
XYZ	55.0675, 69.9779, 86.2225
YIQ	206.1610, -52.4020, -19.4900

Conversions

Conversions Part 2

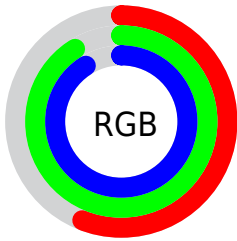
Format	Color
RYB	144, 189, 233
Decimal	9497063
CIELab	86.99, -27.08, -7.47
CIELCh	87, 28.090, 195.425
Yxy	69.9779, 0.2607, 0.3312
Android (android.graphics.Color)	4287687143 (0xFF90E9E7)
YUV	206.1610, 12.2456, -54.5152
Hunter-Lab	83.6528, -28.8883, -2.5543

Details

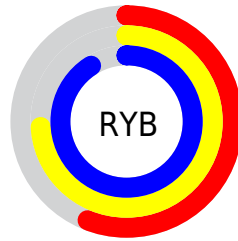
The RYB color **144, 189, 233** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **233, 144, 146**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **201, 228, 255**, and **87, 133, 177** is the 20% darker color. If you saturate the color by 10%, you get **121, 178, 233**, and if you desaturate by 10%, it is **167, 200, 233**.

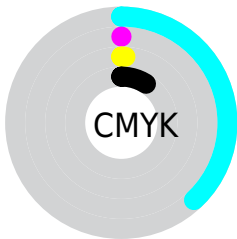
Distribution



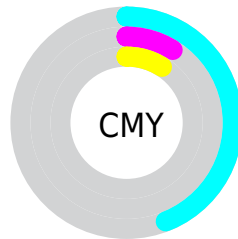
- Red (56%)
- Green (91%)
- Blue (91%)



- Red (56%)
- Yellow (74%)
- Blue (91%)



- Cyan (38%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (44%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 144, 189, 233 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 144, 189, 233 by changing the saturation by 10% instead.

 144, 189, 233


255, 255, 255


 201, 228, 255

 231, 243, 255

 144, 189, 233

 116, 161, 205

 87, 132, 177

 58, 104, 150

 21, 73, 124


 0, 50, 99

 0, 37, 75


 0, 26, 52

 0, 16, 32


 0, 0, 6

 144, 189, 233


 144, 189, 233

 121, 178, 233


 167, 200, 233

 97, 166, 233


 191, 212, 233

 74, 155, 233

 214, 224, 233

 51, 143, 233


 237, 233, 233

 27, 131, 233

 255, 233, 234

 4, 120, 233

 255, 233, 235

 0, 118, 233

 255, 233, 236

Harmonies

Analogous

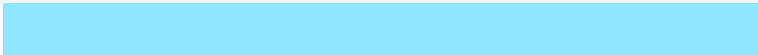
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



164, 207, 232



144, 189, 233



145, 193, 255

Triad

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



144, 189, 233



239, 206, 255



237, 250, 167

Complementary

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



144, 189, 233



233, 144, 146

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, 214, 181



144, 189, 233



255, 200, 232

Square

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



144, 189, 233



205, 214, 255



255, 199, 205



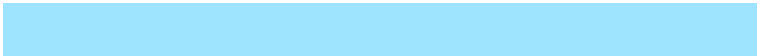
168, 223, 166

Rectangle

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



144, 189, 233



159, 199, 255



255, 199, 205



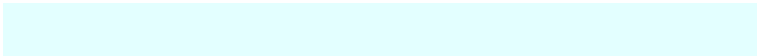
255, 242, 170

Sweetspot

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



144, 189, 233



227, 241, 255



144, 233, 230



111, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



144, 189, 233



138, 197, 255



144, 175, 233



106, 112, 117



0, 92, 181



0, 28, 54

Inverse Universe

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



233, 144, 146



255, 138, 140



233, 224, 144



117, 106, 106



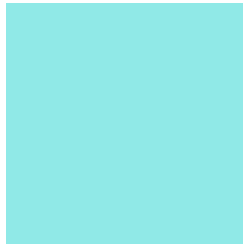
181, 0, 4



54, 0, 1

Previews

White Background



This preview shows how the RYB color 144, 189, 233 looks on a white background.

Color Contrast Check

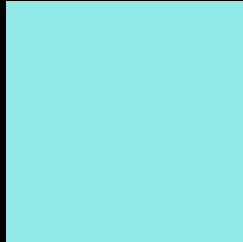
Large Text (above 18pt) WCAG AA × Fail

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 144, 189, 233 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](#).

RYP 144, 189, 233 Background



This preview shows how black text looks on a background with the RYP color 144, 189, 233.




This preview shows how white text looks on a background with the RYP color 144, 189, 233.

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





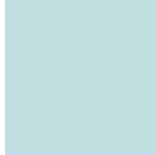
Tritanopia
149, 194, 249

Trichromacy



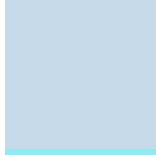
Original Color

144, 189, 233



Protanomaly

192, 208, 225



Deuteranomaly

198, 211, 234



Tritanomaly

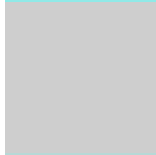
147, 192, 242

Monochromacy



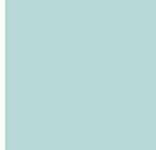
Original Color

144, 189, 233



Achromatopsia

206, 206, 206



Achromatomaly

183, 200, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 144, 189, 233 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(144, 233, 231)` looks like.

```
.text, #text, p{  
    color:rgb(144, 233, 231)  
}
```

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(144, 233, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 233, 231) }
```

Border

The CSS property to change the border of an element to RYB 144, 189, 233 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(144, 233, 231) }
```

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

```
.border{ border-color:rgb(144, 233, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 233, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(144, 233,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 144, 189, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 233, 231) }
```

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

```
.background{ background-color: rgb(144,  
233, 231) }
```

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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