

Converting Colors

`RYB(144, 197, 238)`

Have a look what the booklet for
RYB(144, 197, 238) contains.

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Color

R_YB(144, 197, 238)

Conversions

Conversions Part 1

Format	Color
Hex	90EED9
RGB	144, 238, 217
RGB Percent	56%, 93%, 85%
CMY	0.4353, 0.0667, 0.1501
CMYK	0.39, 0.00, 0.09, 0.07
HSL	166°, 73%, 75%
HSV	166°, 39%, 93%
XYZ	54.5637, 72.0734, 76.4885
YIQ	207.5000, -49.2830, -26.4590

Conversions

Conversions Part 2

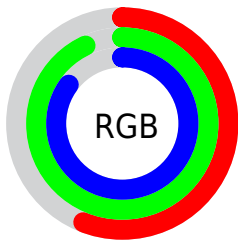
Format	Color
RYB	144, 197, 238
Decimal	9498329
CIELab	88.00, -32.74, 1.53
CIELCh	88, 32.776, 177.331
Yxy	72.0734, 0.2686, 0.3548
Android (android.graphics.Color)	4287688409 (0xFF90EED9)
YUV	207.5000, 4.6835, -55.6895
Hunter-Lab	84.8961, -33.8440, 6.0089

Details

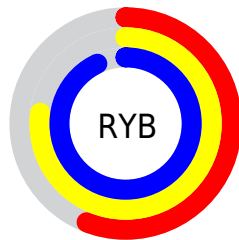
The RYB color **144, 197, 238** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **238, 144, 165**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **201, 228, 255**, and **88, 141, 182** is the 20% darker color. If you saturate the color by 10%, you get **120, 187, 238**, and if you desaturate by 10%, it is **168, 208, 238**.

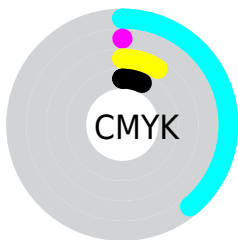
Distribution



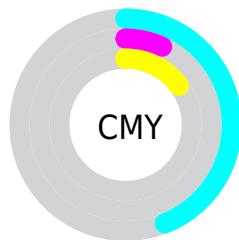
- Red (56%)
- Green (93%)
- Blue (85%)



- Red (56%)
- Yellow (77%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)




- Cyan (44%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 144, 197, 238 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, 197, 238 by changing the saturation by 10% instead.

 144, 197, 238


255, 255, 255


 201, 228, 255

 231, 243, 255

 144, 197, 238

 116, 168, 209

 88, 141, 182

 58, 112, 155

 23, 80, 128


 0, 56, 103

 0, 43, 78


 0, 31, 54

 0, 22, 35


 0, 0, 0

 144, 197, 238


 144, 197, 238

 120, 187, 238


 168, 208, 238

 96, 176, 238


 192, 218, 238

 73, 166, 238

 215, 228, 238

 49, 156, 238

 239, 238, 238

 25, 145, 238

 255, 238, 244

 1, 135, 238

 255, 238, 249

 0, 134, 238

 255, 238, 254

 255, 238, 255

Harmonies

Analogous

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



177, 227, 235



144, 197, 238



126, 184, 248

Triad

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



144, 197, 238



222, 214, 255



255, 237, 169

Complementary

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



144, 197, 238



238, 144, 165

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, 201, 194



144, 197, 238



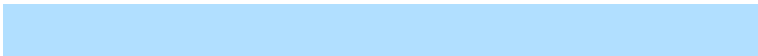
255, 204, 255

Square

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



144, 197, 238



177, 206, 255



255, 198, 225



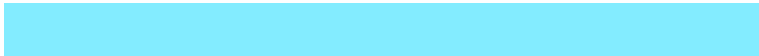
200, 246, 159

Rectangle

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



144, 197, 238



131, 188, 255



255, 198, 225



255, 219, 176

Sweetspot

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



144, 197, 238



224, 241, 255



144, 238, 216



110, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



144, 197, 238



135, 203, 255



144, 184, 238



108, 115, 120



0, 104, 184



0, 32, 56

Inverse Universe

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



238, 144, 165



255, 135, 162



238, 178, 144



120, 108, 111



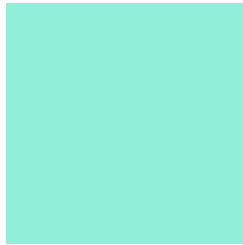
184, 0, 42



56, 0, 13

Previews

White Background



This preview shows how the RYB color 144, 197, 238 looks on a white background.

Color Contrast Check

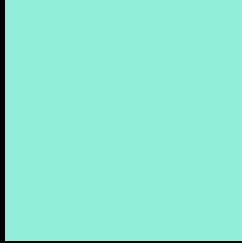
Large Text (above 18pt) WCAG AA × Fail

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, 197, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

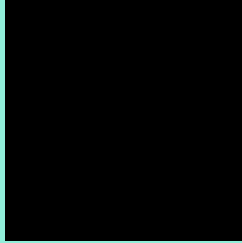
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

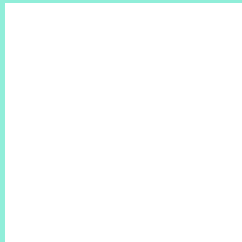
Any Text WCAG AAA ✓ Pass

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

RYB 144, 197, 238 Background



This preview shows how black text looks on a background with the RYB color 144, 197, 238.



This preview shows how white text looks on a background with the RYB color 144, 197, 238.

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, 197, 252

Trichromacy



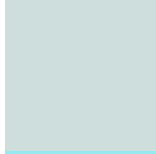
Original Color

144, 197, 238



Protanomaly

197, 217, 226



Deuteranomaly

205, 214, 222



Tritanomaly

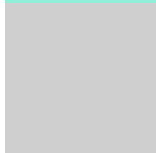
150, 193, 239

Monochromacy



Original Color

144, 197, 238



Achromatopsia

207, 207, 207



Achromatomaly

184, 203, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 144, 197, 238 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, 238, 217)` looks like.

```
.text, #text, p{  
    color:rgb(144, 238, 217)  
}
```

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, 238, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 238, 217) }
```

Border

The CSS property to change the border of an element to RYB 144, 197, 238 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, 238, 217) }
```

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

```
.border{ border-color:rgb(144, 238, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 238, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 238, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 238, 217);  
box-shadow:4px 4px 4px 4px rgb(144, 238,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 144, 197, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 238, 217) }
```

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

```
.background{ background-color: rgb(144,  
238, 217) }
```

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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