

Converting Colors

`RYB(119, 189, 236)`

Have a look what the booklet for
RYB(119, 189, 236) contains.

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Color

R_YB(119, 189, 236)

Conversions

Conversions Part 1

Format	Color
Hex	77ECC6
RGB	119, 236, 198
RGB Percent	47%, 93%, 78%
CMY	0.5333, 0.0745, 0.2253
CMYK	0.50, 0.00, 0.16, 0.07
HSL	160°, 75%, 70%
HSV	160°, 50%, 93%
XYZ	47.7452, 67.9697, 63.7617
YIQ	196.6850, -57.5340, -36.6220

Conversions

Conversions Part 2

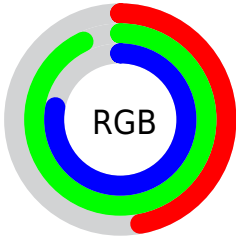
Format	Color
RYB	119, 189, 236
Decimal	7859398
CIELab	85.99, -42.15, 8.52
CIElCh	86, 43.004, 168.571
Yxy	67.9697, 0.2660, 0.3787
Android (android.graphics.Color)	4286049478 (0xFF77ECC6)
YUV	196.6850, 0.6483, -68.1297
Hunter-Lab	82.4437, -40.9027, 11.8559

Details

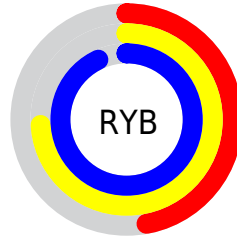
The RYB color **119, 189, 236** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **236, 119, 157**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **178, 217, 255**, and **57, 128, 179** is the 20% darker color. If you saturate the color by 10%, you get **95, 179, 236**, and if you desaturate by 10%, it is **143, 199, 236**.

Distribution



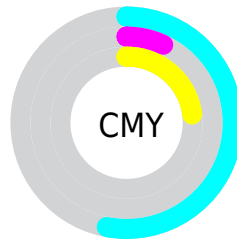
- Red (47%)
- Green (93%)
- Blue (78%)



- Red (47%)
- Yellow (74%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)



- Cyan (53%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 189, 236 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 119, 189, 236 by changing the saturation by 10% instead.

 119, 189, 236


255, 255, 255


 178, 217, 255

 207, 231, 255

 237, 246, 255

 119, 189, 236

 89, 159, 207


 57, 128, 179

 9, 90, 152

 0, 72, 126

 0, 59, 100

 0, 46, 75


 0, 33, 51


 0, 29, 29


 0, 0, 0

 119, 189, 236


 119, 189, 236

 95, 179, 236


 143, 199, 236

 72, 170, 236

 166, 208, 236

 48, 161, 236

 190, 217, 236

 25, 151, 236

 213, 227, 236

 1, 142, 236

 237, 236, 236

 0, 141, 236

 255, 236, 244

 255, 236, 252

 255, 236, 255

Harmonies

Analogous

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



160, 230, 220



119, 189, 236



67, 153, 240

Triad

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



119, 189, 236



197, 208, 255



255, 215, 156

Complementary

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



119, 189, 236



236, 119, 157

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, 185, 191



119, 189, 236



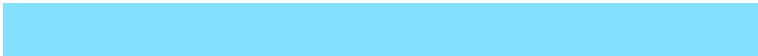
251, 196, 255

Square

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



119, 189, 236



131, 184, 255



255, 185, 232



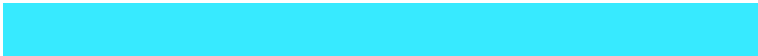
215, 255, 135

Rectangle

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



119, 189, 236



56, 150, 255



255, 185, 232



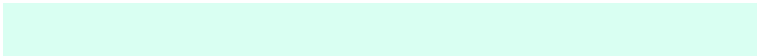
255, 199, 166

Sweetspot

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



119, 189, 236



217, 240, 255



119, 236, 197



105, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



119, 189, 236



105, 195, 255



119, 172, 236



106, 113, 117



0, 108, 181



0, 32, 54

Inverse Universe

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



236, 119, 157



255, 105, 154



236, 143, 119



117, 106, 109



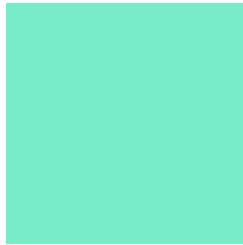
181, 0, 59



54, 0, 18

Previews

White Background



This preview shows how the RYB color 119, 189, 236 looks on a white background.

Color Contrast Check

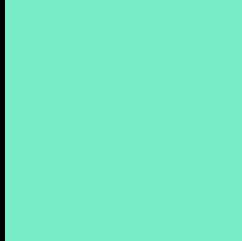
Large Text (above 18pt) WCAG AA × Fail

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 119, 189, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

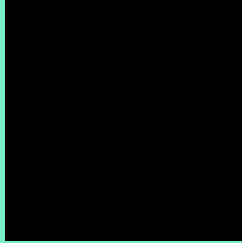
Any Text WCAG AA ✓ Pass

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 119, 189, 236 Background



This preview shows how black text looks on a background with the RYB color 119, 189, 236.




This preview shows how white text looks on a background with the RYB color 119, 189, 236.

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
134, 186, 248

Trichromacy



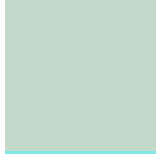
Original Color

119, 189, 236



Protanomaly

186, 217, 221



Deuteranomaly

195, 212, 217



Tritanomaly

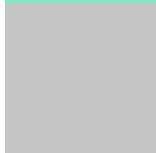
129, 181, 232

Monochromacy



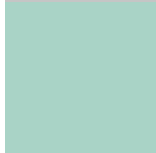
Original Color

119, 189, 236



Achromatopsia

197, 197, 197



Achromatomaly

169, 194, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 189, 236 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(119, 236, 198)` looks like.

```
.text, #text, p{  
    color:rgb(119, 236, 198)  
}
```

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(119, 236, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 236, 198) }
```

Border

The CSS property to change the border of an element to RYB 119, 189, 236 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(119, 236, 198) }
```

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

```
.border{ border-color:rgb(119, 236, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 236, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 236, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 236, 198); box-shadow:4px 4px 4px 4px rgb(119, 236, 198) }
```

Background

The CSS property to change the background color of an element to RYB 119, 189, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 236, 198) }
```

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

```
.background{ background-color: rgb(119,  
236, 198) }
```

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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