

Converting Colors

`RYB(137, 189, 242)`

Have a look what the booklet for
RYB(137, 189, 242) contains.

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Color

R_YB(137, 189, 242)

Conversions

Conversions Part 1

Format	Color
Hex	89F0F2
RGB	137, 240, 242
RGB Percent	54%, 94%, 95%
CMY	0.4627, 0.0587, 0.0510
CMYK	0.43, 0.01, 0.00, 0.05
HSL	181°, 80%, 74%
HSV	181°, 43%, 95%
XYZ	57.5092, 74.0605, 95.2684
YIQ	209.4310, -62.0300, -21.2140

Conversions

Conversions Part 2

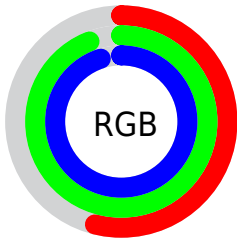
Format	Color
RYB	137, 189, 242
Decimal	9040114
CIELab	88.95, -29.48, -10.34
CIElCh	89, 31.238, 199.331
Yxy	74.0605, 0.2535, 0.3265
Android (android.graphics.Color)	4287230194 (0xFF89F0F2)
YUV	209.4310, 16.0565, -63.5220
Hunter-Lab	86.0584, -31.3182, -5.3944

Details

The RYB color **137, 189, 242** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **242, 139, 137**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **196, 226, 255**, and **77, 131, 186** is the 20% darker color. If you saturate the color by 10%, you get **113, 177, 242**, and if you desaturate by 10%, it is **161, 201, 242**.

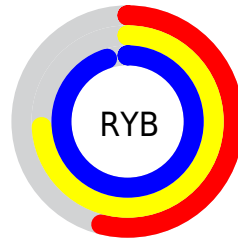
Distribution



Red (54%)

Green (94%)

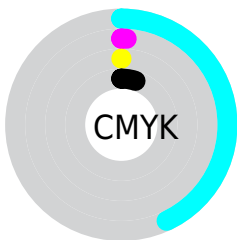
Blue (95%)



Red (54%)

Yellow (74%)

Blue (95%)

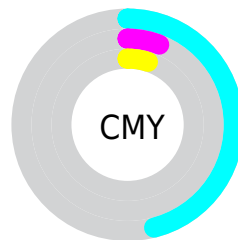


Cyan (43%)

Magenta (1%)

Yellow (0%)

Black (5%)



Cyan (46%)


Magenta (6%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 189, 242 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 137, 189, 242 by changing the saturation by 10% instead.


 137, 189, 242


255, 255, 255


 196, 226, 255

 225, 240, 255

 137, 189, 242

 108, 160, 214

 77, 131, 186


 43, 100, 159

 0, 66, 133


 0, 53, 108

 0, 41, 83


 0, 29, 60

 0, 19, 39


 0, 1, 19

 137, 189, 242


 137, 189, 242

 113, 177, 242


 161, 201, 242

 89, 165, 242


 185, 213, 242

 64, 152, 242

 210, 226, 242

 40, 140, 242

 234, 238, 242

 16, 128, 242

 255, 242, 242

 0, 120, 242

 255, 243, 242

 255, 244, 242

Harmonies

Analogous

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



159, 207, 239



137, 189, 242



141, 193, 255

Triad

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



137, 189, 242



251, 209, 255



228, 255, 165

Complementary

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



137, 189, 242



242, 139, 137

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, 226, 179



137, 189, 242



255, 203, 235

Square

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



137, 189, 242



214, 218, 255



255, 202, 205



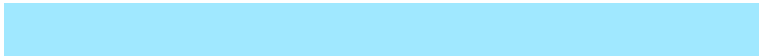
167, 228, 170

Rectangle

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



137, 189, 242



160, 201, 255



255, 202, 205



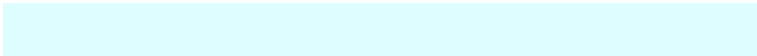
246, 255, 168

Sweetspot

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



137, 189, 242



222, 238, 255



137, 240, 242



107, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



137, 189, 242



122, 188, 255



137, 171, 242



108, 114, 120



0, 91, 184



0, 28, 56

Inverse Universe

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



242, 137, 240



255, 122, 252



236, 242, 137



120, 108, 120



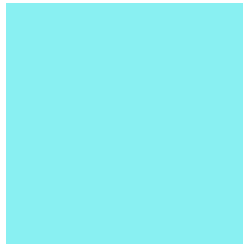
184, 0, 180



56, 0, 55

Previews

White Background



This preview shows how the RYB color 137, 189, 242 looks on a white background.

Color Contrast Check

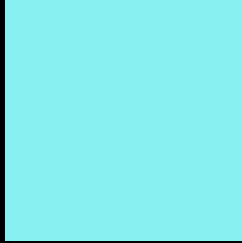
Large Text (above 18pt) WCAG AA × Fail

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 137, 189, 242 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 137, 189, 242 Background



This preview shows how black text looks on a background with the RYB color 137, 189, 242.



This preview shows how white text looks on a background with the RYB color 137, 189, 242.

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
148, 197, 255

Trichromacy



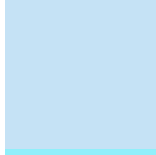
Original Color

137, 189, 242



Protanomaly

192, 211, 234



Deuteranomaly

197, 215, 245



Tritanomaly

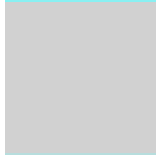
144, 194, 250

Monochromacy



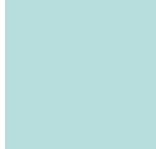
Original Color

137, 189, 242



Achromatopsia

209, 209, 209



Achromatomaly

183, 202, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 189, 242 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(137, 240, 242)` looks like.

```
.text, #text, p{  
    color:rgb(137, 240, 242)  
}
```

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(137, 240, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 240, 242) }
```

Border

The CSS property to change the border of an element to RYB 137, 189, 242 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(137, 240, 242) }
```

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

```
.border{ border-color:rgb(137, 240, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 240, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 240, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 240, 242);  
box-shadow:4px 4px 4px 4px rgb(137, 240,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 137, 189, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 240, 242) }
```

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

```
.background{ background-color: rgb(137,  
240, 242) }
```

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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