

Converting Colors

`RYB(137, 190, 255)`

Have a look what the booklet for
RYB(137, 190, 255) contains.

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Color

R_YB(137, 190, 255)

Conversions

Conversions Part 1

Format	Color
Hex	89E9FF
RGB	137, 233, 255
RGB Percent	54%, 91%, 100%
CMY	0.4627, 0.0854, 0.0000
CMYK	0.46, 0.09, 0.00, 0.00
HSL	191°, 100%, 77%
HSV	191°, 46%, 100%
XYZ	57.5665, 70.9382, 105.2661
YIQ	206.8040, -64.2780, -13.5100

Conversions

Conversions Part 2

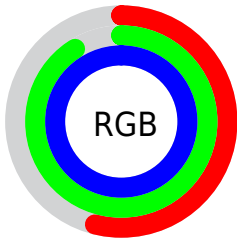
Format	Color
RYB	137, 190, 255
Decimal	9038335
CIELab	87.45, -22.89, -19.39
CIELCh	87, 29.997, 220.270
Yxy	70.9382, 0.2463, 0.3035
Android (android.graphics.Color)	4287228415 (0xFF89E9FF)
YUV	206.8040, 23.7606, -61.2181
Hunter-Lab	84.2248, -25.3913, -15.1446

Details

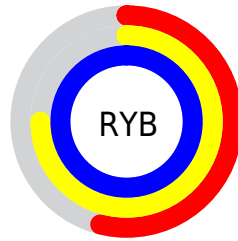
The RYB color **137, 190, 255** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **255, 164, 137**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **196, 226, 255**, and **77, 132, 198** is the 20% darker color. If you saturate the color by 10%, you get **112, 176, 255**, and if you desaturate by 10%, it is **163, 204, 255**.

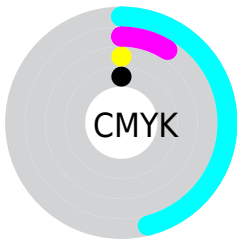
Distribution



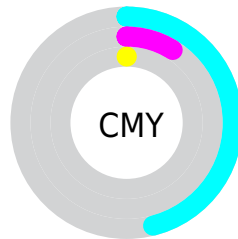
- Red (54%)
- Green (91%)
- Blue (100%)



- Red (54%)
- Yellow (75%)
- Blue (100%)



- Cyan (46%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 190, 255 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, 190, 255 by changing the saturation by 10% instead.

 137, 190, 255


255, 255, 255


 196, 226, 255

 226, 241, 255

 137, 190, 255

 107, 161, 226

 77, 132, 198


 42, 101, 171

 0, 67, 144

 0, 54, 119

 0, 42, 94

 0, 30, 70

 0, 19, 48

 0, 1, 27

■ 137, 190, 255

■ 137, 190, 255

■ 112, 176, 255

■ 163, 204, 255

■ 86, 162, 255

■ 188, 218, 255

■ 60, 148, 255

■ 214, 232, 255

■ 35, 134, 255

■ 239, 246, 255

■ 9, 120, 255

255, 255, 255

■ 0, 115, 255

Harmonies

Analogous

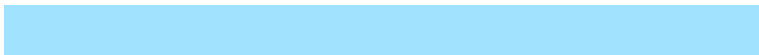
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



141, 190, 235



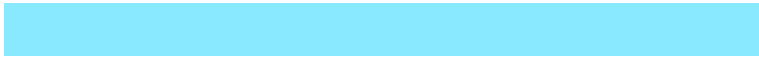
137, 190, 255



160, 199, 255

Triad

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



137, 190, 255



255, 201, 239



175, 230, 163

Complementary

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



137, 190, 255



255, 164, 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.



253, 255, 166



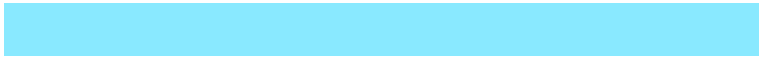
137, 190, 255



255, 199, 210

Square

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



137, 190, 255



236, 209, 255



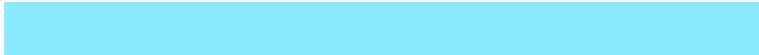
255, 210, 184



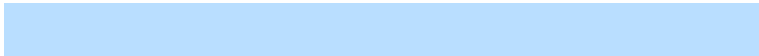
175, 229, 206

Rectangle

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



137, 190, 255



185, 209, 255



255, 210, 184



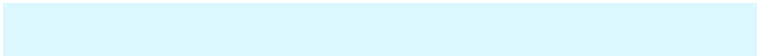
195, 240, 162

Sweetspot

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



137, 190, 255



219, 235, 255



137, 236, 255



106, 116, 128



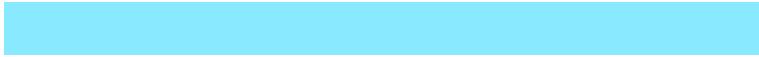
0, 0, 0



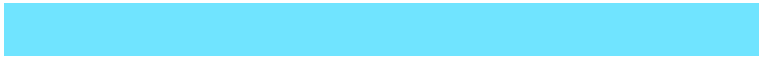
128, 128, 128

Same Dimension

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



137, 190, 255



112, 176, 255



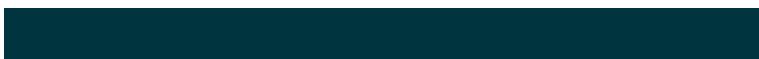
137, 165, 255



115, 121, 128



0, 86, 191



0, 29, 64

Inverse Universe

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



255, 137, 233



255, 112, 229



191, 255, 137



128, 115, 125



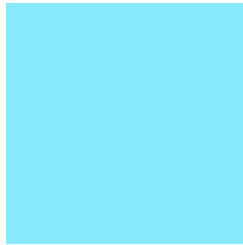
191, 0, 156



64, 0, 52

Previews

White Background



This preview shows how the RYB color 137, 190, 255 looks on a white background.

Color Contrast Check

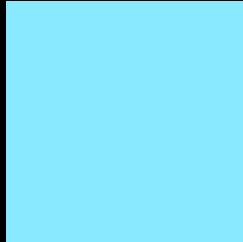
Large Text (above 18pt) WCAG AA × Fail

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, 190, 255 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, 190, 255 Background



This preview shows how black text looks on a background with the RYB color 137, 190, 255.




This preview shows how white text looks on a background with the RYB color 137, 190, 255.

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





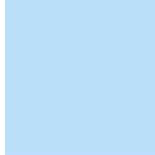
Tritanopia
136, 189, 252

Trichromacy



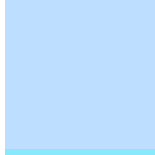
Original Color

137, 190, 255



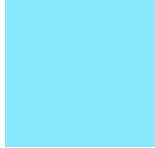
Protanomaly

186, 209, 248



Deuteranomaly

189, 211, 255



Tritanomaly

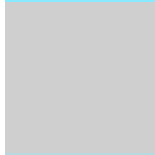
136, 189, 253

Monochromacy



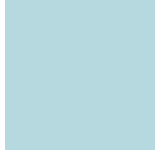
Original Color

137, 190, 255



Achromatopsia

207, 207, 207



Achromatomaly

182, 201, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 190, 255 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 233, 255)  
}
```

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, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 233, 255) }
```

Border

The CSS property to change the border of an element to RYB 137, 190, 255 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, 233, 255) }
```

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

```
.border{ border-color:rgb(137, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 233,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 137, 190, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 233, 255) }
```

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

```
.background{ background-color: rgb(137,  
233, 255) }
```

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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