

Converting Colors

`RYB(137, 142, 207)`

Have a look what the booklet for
RYB(137, 142, 207) contains.

RYB(137, 142, 207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(137, 142, 207)

Conversions

Conversions Part 1

Format	Color
Hex	898ECF
RGB	137, 142, 207
RGB Percent	54%, 56%, 81%
CMY	0.4627, 0.4416, 0.1882
CMYK	0.34, 0.31, 0.00, 0.19
HSL	235°, 42%, 67%
HSV	235°, 34%, 81%
XYZ	31.3093, 29.2840, 63.0337
YIQ	147.9150, -23.8450, 19.1550

Conversions

Conversions Part 2

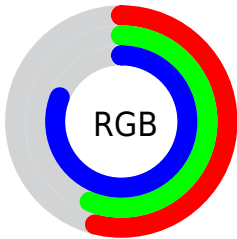
Format	Color
RYB	137, 142, 207
Decimal	9014991
CIELab	61.03, 13.28, -33.87
CIELCh	61, 36.385, 291.411
Yxy	29.2840, 0.2533, 0.2369
Android (android.graphics.Color)	4287205071 (0xFF898ECF)
YUV	147.9150, 29.1289, -9.5725
Hunter-Lab	54.1147, 8.5747, -31.1817

Details

The RYB color **137, 142, 207** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **142, 207, 137**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **192, 196, 255**, and **84, 91, 152** is the 20% darker color. If you saturate the color by 10%, you get **116, 123, 207**, and if you desaturate by 10%, it is **158, 161, 207**.

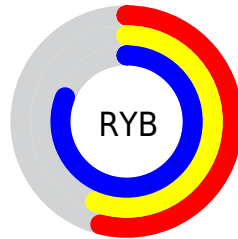
Distribution



Red (54%)

Green (56%)

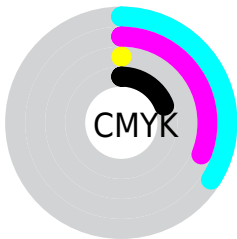
Blue (81%)



Red (54%)

Yellow (56%)

Blue (81%)

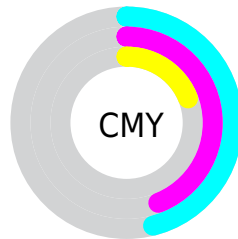


Cyan (34%)

Magenta (31%)

Yellow (0%)

Black (19%)



Cyan (46%)

Magenta (44%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 142, 207 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, 142, 207 by changing the saturation by 10% instead.

 137, 142, 207


255, 255, 255

 192, 196, 255

 221, 224, 255

 250, 251, 255


 137, 142, 207


 110, 116, 179

 84, 91, 152

 58, 67, 126

 31, 44, 101

 0, 19, 77

 0, 0, 54

 0, 2, 31

 0, 0, 3

 0, 0, 0

■ 137, 142, 207

■ 137, 142, 207

■ 116, 123, 207

■ 158, 161, 207

■ 96, 103, 207

■ 178, 181, 207

■ 75, 84, 207

■ 199, 200, 207

■ 54, 65, 207

■ 208, 220, 207

■ 33, 46, 207

■ 210, 241, 207

■ 13, 27, 207

■ 207, 255, 207

■ 0, 15, 207

Harmonies

Analogous

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



81, 127, 210



137, 142, 207



179, 131, 188

Triad

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



137, 142, 207



199, 147, 98



63, 121, 164

Complementary

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



137, 142, 207



142, 207, 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.



106, 160, 158



137, 142, 207



137, 176, 83

Square

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



137, 142, 207



210, 123, 125



86, 152, 93



0, 83, 170

Rectangle

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



137, 142, 207



197, 125, 169



86, 152, 93



79, 133, 163

Sweetspot

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



137, 142, 207



230, 231, 255



137, 174, 207



112, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



137, 142, 207



150, 157, 255



166, 137, 207



94, 95, 105



0, 12, 168



0, 3, 41

Inverse Universe

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



207, 137, 142



255, 150, 158



137, 207, 166



105, 94, 95



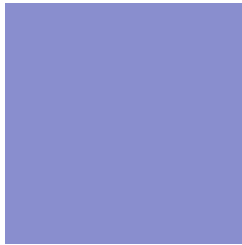
168, 0, 13



41, 0, 3

Previews

White Background



This preview shows how the RYB color 137, 142, 207 looks on a white background.

Color Contrast Check

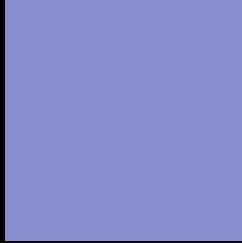
Large Text (above 18pt) WCAG AA ✓ Pass

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, 142, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

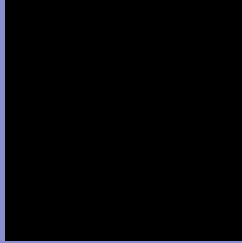
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 137, 142, 207 Background



This preview shows how black text looks on a background with the RYB color 137, 142, 207.



This preview shows how white text looks on a background with the RYB color 137, 142, 207.

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



Original Color

137, 142, 207

Protanopia

127, 142, 209

Deuteranopia

126, 141, 206



Tritanopia
127, 141, 163

Trichromacy



Original Color
137, 142, 207

Protanomaly
131, 142, 208

Deuteranomaly
130, 142, 206

Tritanomaly
131, 144, 179

Monochromacy



Original Color
137, 142, 207

Achromatopsia
148, 148, 148

Achromatomaly
144, 146, 169

CSS Examples

Text

The CSS property to change the color of the text to RGB 137, 142, 207 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, 142, 207) looks like.

```
.text, #text, p{  
    color:rgb(137, 142, 207)  
}
```

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, 142, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 142, 207) }
```

Border

The CSS property to change the border of an element to RYB 137, 142, 207 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, 142, 207) }
```

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

```
.border{ border-color:rgb(137, 142, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 142, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 142, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 142, 207);  
box-shadow:4px 4px 4px 4px rgb(137, 142,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 137, 142, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 142, 207) }
```

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

```
.background{ background-color: rgb(137,  
142, 207) }
```

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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