

Converting Colors

`RYB(137, 158, 214)`

Have a look what the booklet for
RYB(137, 158, 214) contains.

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Color

R_YB(137, 158, 214)

Conversions

Conversions Part 1

Format	Color
Hex	89A6D6
RGB	137, 166, 214
RGB Percent	54%, 65%, 84%
CMY	0.4627, 0.3495, 0.1608
CMYK	0.36, 0.22, 0.00, 0.16
HSL	218°, 48%, 69%
HSV	218°, 36%, 84%
XYZ	36.0676, 37.4004, 68.9364
YIQ	162.8010, -32.6920, 8.7800

Conversions

Conversions Part 2

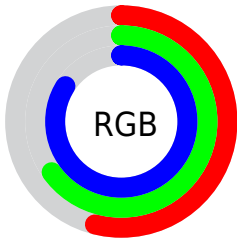
Format	Color
RYB	137, 158, 214
Decimal	9021142
CIELab	67.58, 1.75, -27.64
CIElCh	68, 27.693, 273.617
Yxy	37.4004, 0.2533, 0.2626
Android (android.graphics.Color)	4287211222 (0xFF89A6D6)
YUV	162.8010, 25.2411, -22.6275
Hunter-Lab	61.1559, -1.7496, -24.0240

Details

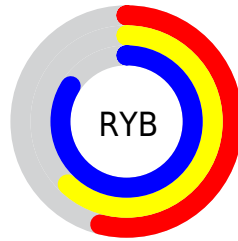
The RYB color **137, 158, 214** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **184, 214, 137**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **192, 212, 255**, and **84, 105, 159** is the 20% darker color. If you saturate the color by 10%, you get **116, 143, 214**, and if you desaturate by 10%, it is **158, 173, 214**.

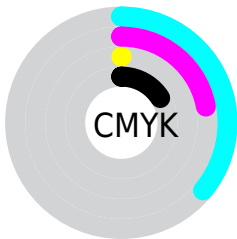
Distribution



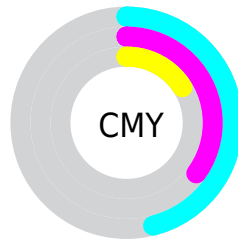
- Red (54%)
- Green (65%)
- Blue (84%)



- Red (54%)
- Yellow (62%)
- Blue (84%)



- Cyan (36%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)




- Cyan (46%)
- Magenta (35%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the RYB color 137, 158, 214 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, 158, 214 by changing the saturation by 10% instead.


 137, 158, 214

 137, 158, 214

255, 255, 255

 110, 132, 186

 192, 212, 255

 84, 105, 159


 221, 236, 255

 58, 80, 133

 250, 253, 255

 30, 55, 107

 0, 29, 83

 0, 17, 60

 0, 2, 38

 0, 1, 15

 0, 0, 0

■ 137, 158, 214

■ 137, 158, 214

■ 116, 143, 214

■ 158, 173, 214

■ 94, 127, 214

■ 180, 189, 214

■ 73, 112, 214

■ 201, 205, 214

■ 51, 95, 214

■ 221, 223, 214

■ 30, 80, 214

■ 231, 244, 214

■ 9, 65, 214

■ 226, 255, 214

■ 0, 58, 214

■ 214, 255, 214

Harmonies

Analogous

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



103, 145, 209



137, 158, 214



172, 157, 206

Triad

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



137, 158, 214



213, 151, 138



123, 162, 176

Complementary

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



137, 158, 214



184, 214, 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.



122, 171, 141



137, 158, 214



201, 183, 121

Square

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



137, 158, 214



213, 146, 162



135, 179, 115



98, 142, 179

Rectangle

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



137, 158, 214



191, 152, 194



135, 179, 115



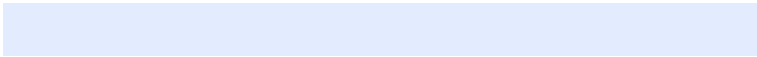
133, 174, 175

Sweetspot

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



137, 158, 214



227, 234, 255



137, 185, 214



111, 115, 128



0, 0, 0



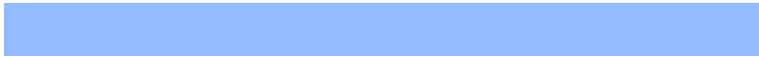
128, 128, 128

Same Dimension

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



137, 158, 214



145, 175, 255



146, 137, 214



96, 99, 107



0, 47, 171



0, 12, 43

Inverse Universe

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



214, 137, 166



255, 145, 186



137, 214, 146



107, 96, 100



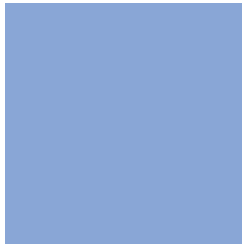
171, 0, 64



43, 0, 16

Previews

White Background



This preview shows how the RYB color 137, 158, 214 looks on a white background.

Color Contrast Check

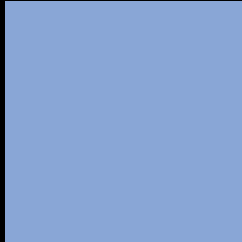
Large Text (above 18pt) WCAG AA × Fail

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, 158, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

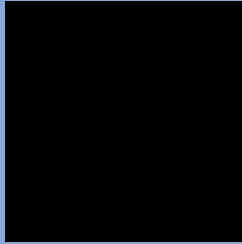
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

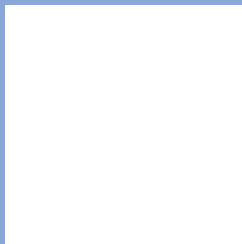
Any Text WCAG AAA ✓ Pass

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

RYB 137, 158, 214 Background



This preview shows how black text looks on a background with the RYB color 137, 158, 214.



This preview shows how white text looks on a background with the RYB color 137, 158, 214.

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, 158, 214

Protanopia
151, 160, 211

Deuteranopia
153, 160, 215



Tritanopia
130, 153, 185

Trichromacy



Original Color
137, 158, 214

Protanomaly
146, 160, 212

Deuteranomaly
147, 160, 215

Tritanomaly
133, 156, 196

Monochromacy



Original Color
137, 158, 214

Achromatopsia
163, 163, 163

Achromatomaly
154, 161, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 158, 214 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, 166, 214)` looks like.

```
.text, #text, p{  
    color:rgb(137, 166, 214)  
}
```

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, 166, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 166, 214) }
```

Border

The CSS property to change the border of an element to RYB 137, 158, 214 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, 166, 214) }
```

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

```
.border{ border-color:rgb(137, 166, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 166, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 166, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 166, 214);  
box-shadow:4px 4px 4px 4px rgb(137, 166,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 137, 158, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 166, 214) }
```

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

```
.background{ background-color: rgb(137,  
166, 214) }
```

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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