

Converting Colors

`RYB(137, 164, 205)`

Have a look what the booklet for
RYB(137, 164, 205) contains.

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Color

R_YB(137, 164, 205)

Conversions

Conversions Part 1

Format	Color
Hex	89B6CD
RGB	137, 182, 205
RGB Percent	54%, 71%, 80%
CMY	0.4627, 0.2871, 0.1961
CMYK	0.33, 0.11, 0.00, 0.20
HSL	200°, 40%, 67%
HSV	200°, 33%, 80%
XYZ	38.0190, 43.0922, 64.0714
YIQ	171.1670, -34.2030, -2.3870

Conversions

Conversions Part 2

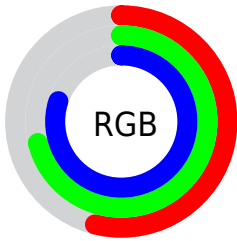
Format	Color
RYB	137, 164, 205
Decimal	9025229
CIELab	71.62, -9.26, -16.53
CIElCh	72, 18.947, 240.751
Yxy	43.0922, 0.2619, 0.2968
Android (android.graphics.Color)	4287215309 (0xFF89B6CD)
YUV	171.1670, 16.6797, -29.9645
Hunter-Lab	65.6446, -11.4974, -11.9178

Details

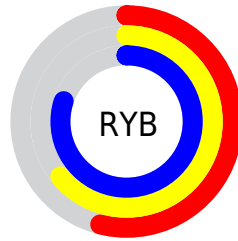
The RYB color **137, 164, 205** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **205, 172, 137**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **192, 219, 255**, and **84, 111, 151** is the 20% darker color. If you saturate the color by 10%, you get **116, 151, 205**, and if you desaturate by 10%, it is **157, 176, 205**.

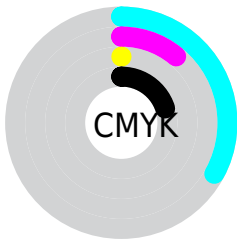
Distribution



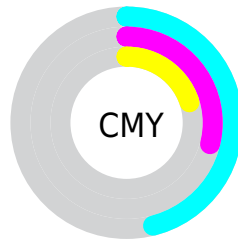
- Red (54%)
- Green (71%)
- Blue (80%)



- Red (54%)
- Yellow (64%)
- Blue (80%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (46%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 164, 205 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, 164, 205 by changing the saturation by 10% instead.

 137, 164, 205


255, 255, 255


 192, 219, 255


 221, 238, 255

 250, 253, 255


 137, 164, 205

 110, 137, 178

 84, 111, 151

 58, 85, 125

 31, 60, 100

 0, 33, 76

 0, 21, 53

 0, 9, 32

 0, 0, 5

 0, 0, 0

■ 137, 164, 205

■ 137, 164, 205

■ 116, 151, 205

■ 157, 176, 205

■ 96, 139, 205

■ 178, 189, 205

■ 75, 127, 205

■ 199, 201, 205

■ 55, 115, 205

■ 219, 213, 205

■ 34, 102, 205

■ 240, 223, 205

■ 14, 90, 205

■ 255, 236, 205

■ 0, 81, 205

■ 251, 255, 205

■ 231, 255, 205

■ 218, 255, 205

Harmonies

Analogous

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



129, 159, 192



137, 164, 205



156, 171, 210

Triad

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



137, 164, 205



210, 163, 176



146, 180, 157

Complementary

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



137, 164, 205



205, 172, 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.



161, 188, 141



137, 164, 205



211, 166, 159

Square

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



137, 164, 205



198, 166, 193



203, 185, 146



150, 178, 184

Rectangle

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



137, 164, 205



172, 173, 208



203, 185, 146



143, 178, 145

Sweetspot

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



137, 164, 205



230, 240, 255



137, 188, 205



112, 118, 128



0, 0, 0



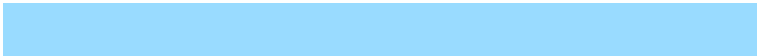
128, 128, 128

Same Dimension

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



137, 164, 205



153, 193, 255



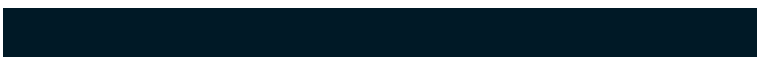
137, 146, 205



92, 96, 102



0, 66, 166



0, 15, 38

Inverse Universe

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



205, 137, 182



255, 153, 220



150, 205, 137



102, 92, 99



166, 0, 109



38, 0, 25

Previews

White Background



This preview shows how the RYB color 137, 164, 205 looks on a white background.

Color Contrast Check

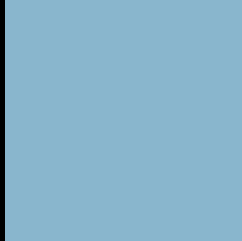
Large Text (above 18pt) WCAG AA × Fail

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, 164, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

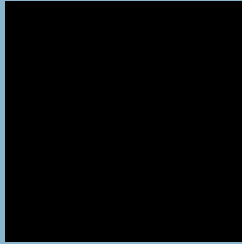
Any Text WCAG AA ✓ Pass

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, 164, 205 Background



This preview shows how black text looks on a background with the RYB color 137, 164, 205.



This preview shows how white text looks on a background with the RYB color 137, 164, 205.

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, 164, 205

Protanopia
171, 174, 200

Deuteranopia
176, 171, 207



Tritanopia
135, 162, 198

Trichromacy



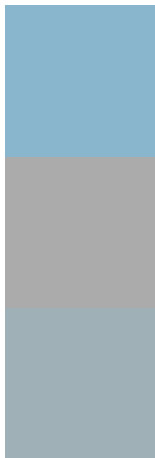
Original Color
137, 164, 205

Protanomaly
159, 172, 202

Deuteranomaly
162, 172, 206

Tritanomaly
136, 163, 201

Monochromacy



Original Color
137, 164, 205

Achromatopsia
171, 171, 171

Achromatomaly
159, 169, 183

CSS Examples

Text

The CSS property to change the color of the text to RGB 137, 182, 205 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, 182, 205) looks like.

```
.text, #text, p{  
    color:rgb(137, 182, 205)  
}
```

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, 182, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 182, 205) }
```

Border

The CSS property to change the border of an element to RYB 137, 164, 205 is called "border". The border property can be set on classes, ids or directly on the HTML element.

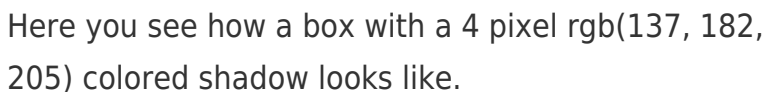
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 182, 205) }
```

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

```
.border{ border-color:rgb(137, 182, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 182, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 182, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 182, 205);  
box-shadow:4px 4px 4px 4px rgb(137, 182,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 137, 164, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 182, 205) }
```

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

```
.background{ background-color: rgb(137,  
182, 205) }
```

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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