

Converting Colors

`RYB(137, 200, 240)`

Have a look what the booklet for
RYB(137, 200, 240) contains.

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Color

R_YB(137, 200, 240)

Conversions

Conversions Part 1

Format	Color
Hex	89F0CA
RGB	137, 240, 202
RGB Percent	54%, 94%, 79%
CMY	0.4627, 0.0588, 0.2063
CMYK	0.43, 0.00, 0.16, 0.06
HSL	158°, 77%, 74%
HSV	158°, 43%, 94%
XYZ	52.1843, 71.9216, 67.2556
YIQ	204.8710, -49.1900, -33.6540

Conversions

Conversions Part 2

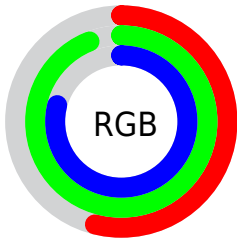
Format	Color
RYB	137, 200, 240
Decimal	9040074
CIELab	87.93, -38.56, 8.86
CIELCh	88, 39.562, 167.054
Yxy	71.9216, 0.2727, 0.3758
Android (android.graphics.Color)	4287230154 (0xFF89F0CA)
YUV	204.8710, -1.4154, -59.5229
Hunter-Lab	84.8066, -38.5746, 12.3449

Details

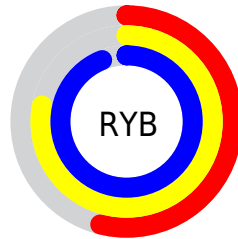
The RYB color **137, 200, 240** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **240, 137, 175**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **194, 225, 255**, and **80, 142, 183** is the 20% darker color. If you saturate the color by 10%, you get **113, 191, 240**, and if you desaturate by 10%, it is **161, 209, 240**.

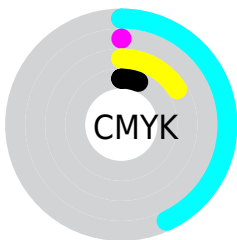
Distribution



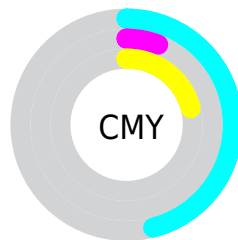
- Red (54%)
- Green (94%)
- Blue (79%)



- Red (54%)
- Yellow (78%)
- Blue (94%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)



- Cyan (46%)
- Magenta (6%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 200, 240 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, 200, 240 by changing the saturation by 10% instead.

 137, 200, 240

255, 255, 255


 194, 225, 255


 224, 240, 255

254, 255, 255

 137, 200, 240

 109, 171, 211

 80, 142, 183

 49, 112, 156

 0, 74, 130

 0, 61, 104

 0, 48, 79


 0, 36, 55


 0, 30, 35


 0, 0, 0

 137, 200, 240


 137, 200, 240

 113, 191, 240


 161, 209, 240

 89, 181, 240


 185, 219, 240

 65, 172, 240

 209, 228, 240

 41, 163, 240

 233, 237, 240

 17, 153, 240

 255, 240, 246

 0, 147, 240

 255, 240, 255

Harmonies

Analogous

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



168, 235, 221



137, 200, 240



98, 170, 241

Triad

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



137, 200, 240



202, 214, 255



255, 220, 167

Complementary

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



137, 200, 240



240, 137, 175

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, 193, 200



137, 200, 240



252, 203, 255

Square

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



137, 200, 240



144, 192, 255



255, 194, 238



216, 255, 147

Rectangle

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



137, 200, 240



91, 169, 255



255, 194, 238



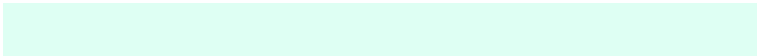
255, 204, 177

Sweetspot

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



137, 200, 240



222, 242, 255



137, 240, 202



107, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



137, 200, 240



122, 203, 255



137, 185, 240



108, 116, 120



0, 112, 184



0, 34, 56

Inverse Universe

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



240, 137, 175



255, 122, 171



240, 153, 137



120, 108, 112



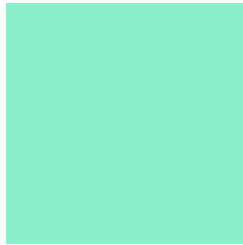
184, 0, 67



56, 0, 20

Previews

White Background



This preview shows how the RYB color 137, 200, 240 looks on a white background.

Color Contrast Check

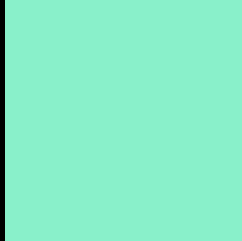
Large Text (above 18pt) WCAG AA × Fail

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, 200, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

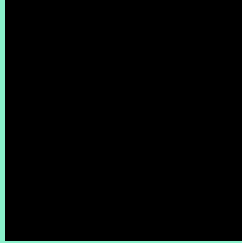
Any Text WCAG AA ✓ Pass

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, 200, 240 Background



This preview shows how black text looks on a background with the RYB color 137, 200, 240.

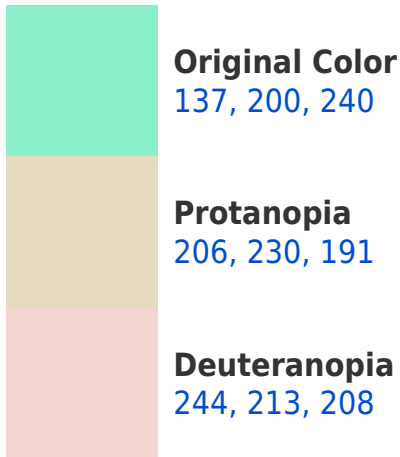



This preview shows how white text looks on a background with the RYB color 137, 200, 240.

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





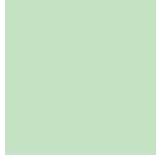
Tritanopia
150, 196, 252

Trichromacy



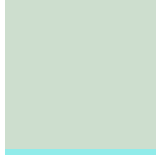
Original Color

137, 200, 240



Protanomaly

195, 227, 226



Deuteranomaly

205, 221, 222



Tritanomaly

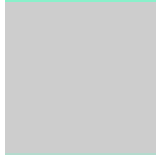
145, 191, 236

Monochromacy



Original Color

137, 200, 240



Achromatopsia

205, 205, 205



Achromatomaly

180, 203, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 200, 240 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(137, 240, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 240, 202) }
```

Border

The CSS property to change the border of an element to RYB 137, 200, 240 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, 202) }
```

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

```
.border{ border-color:rgb(137, 240, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(137, 240,  
202) }
```

Background

The CSS property to change the background color of an element to RYB 137, 200, 240 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, 202) }
```

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

```
.background{ background-color: rgb(137,  
240, 202) }
```

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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