Converting Colors

RYB(135, 182, 240)

Have a look what the booklet for RYB(135, 182, 240) contains.

Color

RYB(135, 182, 240)

Conversions

Conversions Part 1

Format	Color
Hex	87DCF0
RGB	135, 220, 240
RGB Percent	53%, 86%, 94%
CMY	0.4706, 0.1369, 0.0588
CMYK	0.44, 0.08, 0.00, 0.06
HSL	191°, 78%, 74%
HSV	191°, 44%, 94%
XYZ	51.3357, 62.6738, 91.8297
YIQ	196.8650, -57.0800, -11.8000

Conversions

Conversions Part 2

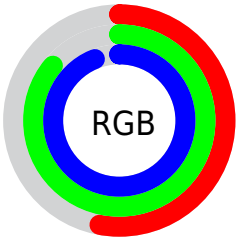
Format	Color
RYB	135, 182, 240
Decimal	8903920
CIELab	83.27, -20.70, -17.80
CIELCh	83, 27.304, 220.699
Yxy	62.6738, 0.2494, 0.3045
Android (android.graphics.Color)	4287094000 (0xFF87DCF0)
YUV	196.8650, 21.2656, -54.2556
Hunter-Lab	79.1668, -22.7937, -13.3568

Details

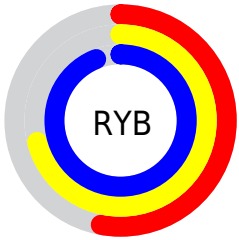
The RYB color 135, 182, 240 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 240, 160, 135, and the grayscale version is 197, 197, 197.

A 20% lighter version of the original color is 193, 224, 255, and 77, 125, 184 is the 20% darker color. If you saturate the color by 10%, you get 111, 169, 240, and if you desaturate by 10%, it is 159, 195, 240.

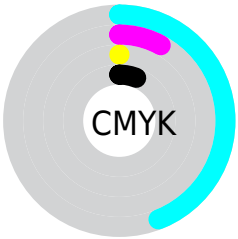
Distribution



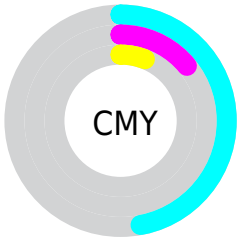
- Red (53%)
- Green (86%)
- Blue (94%)



- Red (53%)
- Yellow (71%)
- Blue (94%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)



- Cyan (47%)
- Magenta (14%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 182, 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 135, 182, 240 by changing the saturation by 10% instead.

135, 182, 240	135, 182, 240
255, 255, 255	106, 153, 212
193, 224, 255	77, 125, 184
222, 239, 255	45, 96, 157
252, 254, 255	0, 61, 131
	0, 48, 106
	0, 36, 82
	0, 24, 58
	0, 13, 37
	0, 1, 15

135, 182, 240	135, 182, 240
111, 169, 240	159, 195, 240
87, 155, 240	183, 208, 240
63, 142, 240	207, 222, 240
39, 129, 240	231, 235, 240
15, 116, 240	255, 244, 240
0, 107, 240	255, 253, 240
	244, 255, 240
	240, 255, 240

Harmonies

Analogous

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

138, 182, 222

135, 182, 240

155, 193, 255

Triad

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

135, 182, 240

248, 191, 225

166, 217, 157

Complementary

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

135, 182, 240

240, 160, 135

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.

241, 239, 160

135, 182, 240

255, 189, 199

Square

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

135, 182, 240

223, 198, 246

255, 198, 175

168, 216, 196

Rectangle

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

135, 182, 240

177, 200, 255

255, 198, 175

184, 226, 156

Sweetspot

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

135, 182, 240

222, 237, 255

135, 224, 240

107, 116, 128

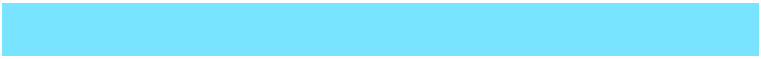
0, 0, 0

128, 128, 128

Same Dimension

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

135, 182, 240



120, 180, 255

135, 160, 240

108, 113, 120

0, 82, 184

0, 25, 56

Inverse Universe

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

240, 135, 220

255, 120, 229

183, 240, 135

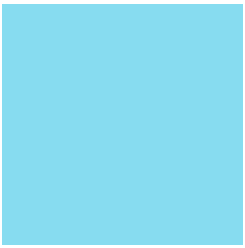
120, 108, 118

184, 0, 149

56, 0, 45

Previews

White Background

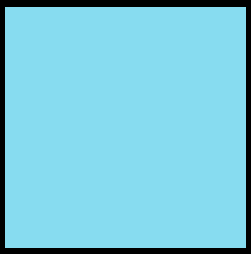


This preview shows how the RYB color 135, 182, 240 looks on a white background.

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



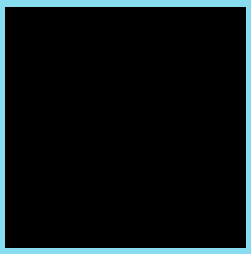
This preview shows how the RYB color 135, 182, 240 looks on a black background.

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 135, 182, 240 Background



This preview shows how black text looks on a background with the RYB color 135, 182, 240.

This preview shows how white text looks on a background with the RYB color 135, 182, 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

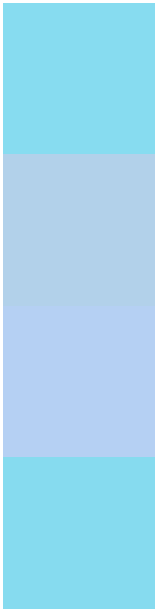
Original Color
135, 182, 240

Protanopia
203, 205, 230

Deuteranopia
208, 202, 244

Tritanopia
134, 181, 238

Trichromacy



Original Color
135, 182, 240

Protanomaly
178, 198, 234

Deuteranomaly
181, 200, 243

Tritanomaly
134, 181, 239

Monochromacy

Original Color
135, 182, 240

Achromatopsia
197, 197, 197

Achromatomaly
174, 191, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 182, 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(135, 220, 240) looks like.

```
.text, #text, p{
    color:rgb(135, 220, 240)
}
```

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(135, 220, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 220, 240) }
```

Border

The CSS property to change the border of an element to RYB 135, 182, 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(135, 220, 240) }
```

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

```
.border{ border-color:rgb(135, 220, 240) }
```

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

Here you see how a box with a 4 pixel rgb(135, 220, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 220, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 220, 240); box-shadow:4px 4px 4px 4px rgb(135, 220, 240) }
```

Background

The CSS property to change the background color of an element to RYB 135, 182, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(135, 220, 240) }
```

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

```
.background{ background-color:rgb(135,
220, 240) }
```

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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