

Converting Colors

`RYB(136, 180, 239)`

Have a look what the booklet for RYB(136, 180, 239) contains.

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Color

`RYB(136, 180, 239)`

Conversions

Conversions Part 1

Format	Color
Hex	88D5EF
RGB	136, 213, 239
RGB Percent	53%, 84%, 94%
CMY	0.4667, 0.1654, 0.0627
CMYK	0.43, 0.11, 0.00, 0.06
HSL	195°, 76%, 74%
HSV	195°, 43%, 94%
XYZ	49.4807, 58.9610, 90.4341
YIQ	192.9410, -54.2380, -8.2380

Conversions

Conversions Part 2

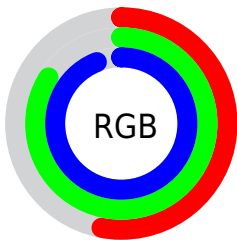
Format	Color
R _Y B	136, 180, 239
Decimal	8967663
CIE Lab	81.27, -17.04, -20.29
CIE LCh	81, 26.499, 229.973
Yxy	58.9610, 0.2488, 0.2965
Android (android.graphics.Color)	4287157743 (0xFF88D5EF)
YUV	192.9410, 22.7071, -49.9373
Hunter-Lab	76.7861, -19.3507, -16.0780

Details

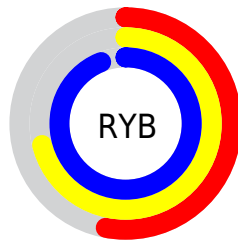
The RYB color **136, 180, 239** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **239, 171, 136**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **193, 224, 255**, and **79, 124, 183** is the 20% darker color. If you saturate the color by 10%, you get **112, 166, 239**, and if you desaturate by 10%, it is **160, 194, 239**.

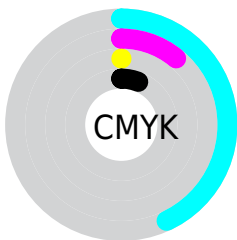
Distribution



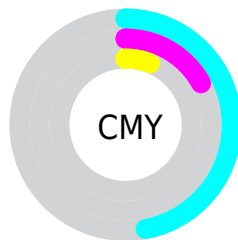
- Red (53%)
- Green (84%)
- Blue (94%)



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



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)



- Cyan (47%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 180, 239 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 136, 180, 239 by changing the saturation by 10% instead.

 136, 180, 239

255, 255, 255


 193, 224, 255

 223, 239, 255

 252, 254, 255

 136, 180, 239

 108, 152, 211

 79, 124, 183

 48, 95, 156

 0, 59, 130

 0, 46, 105

 0, 34, 81


 0, 23, 58


 0, 8, 36


 0, 1, 13

 136, 180, 239


 136, 180, 239

 112, 166, 239


 160, 194, 239

 88, 153, 239


 184, 207, 239

 64, 139, 239

 208, 221, 239

 40, 125, 239

 232, 235, 239

 16, 111, 239

 255, 244, 239

 0, 102, 239

 249, 255, 239

 239, 255, 239

Harmonies

Analogous

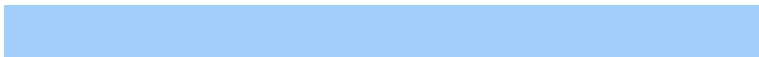
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



132, 174, 218



136, 180, 239



161, 191, 250

Triad

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



136, 180, 239



246, 185, 211



155, 206, 158

Complementary

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



136, 180, 239



239, 171, 136

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.



206, 228, 153



136, 180, 239



253, 185, 186

Square

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



136, 180, 239



226, 190, 234



246, 201, 165



169, 212, 206

Rectangle

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



136, 180, 239



183, 197, 250



246, 201, 165



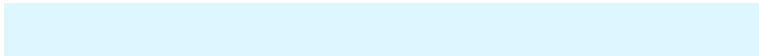
164, 212, 153

Sweetspot

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



136, 180, 239



222, 236, 255



136, 218, 239



107, 116, 128



0, 0, 0



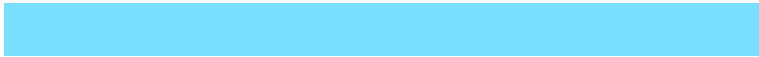
128, 128, 128

Same Dimension

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



136, 180, 239



122, 179, 255



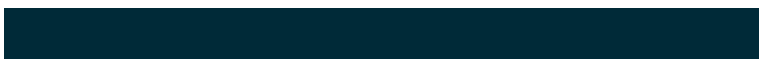
136, 157, 239



108, 113, 120



0, 79, 184



0, 24, 56

Inverse Universe

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



239, 136, 213



255, 122, 221



171, 239, 136



120, 108, 117



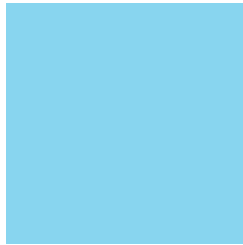
184, 0, 137



56, 0, 42

Previews

White Background



This preview shows how the RYB color 136, 180, 239 looks on a white background.

Color Contrast Check

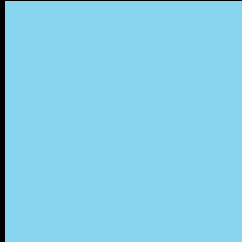
Large Text (above 18pt) WCAG AA × Fail

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 136, 180, 239 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 136, 180, 239 Background



This preview shows how black text looks on a background with the RYB color 136, 180, 239.

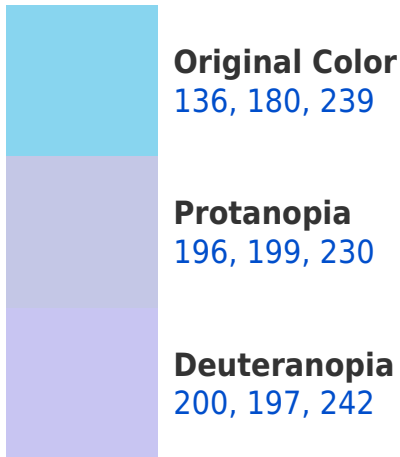


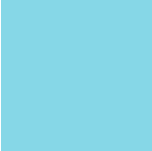
This preview shows how white text looks on a background with the RYB color 136, 180, 239.

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



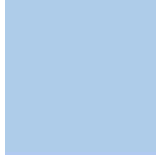


Tritanopia
134, 178, 231

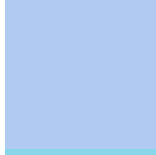
Trichromacy



Original Color
136, 180, 239



Protanomaly
174, 194, 233

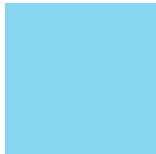


Deuteranomaly
177, 195, 241

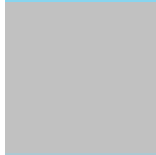


Tritanomaly
135, 179, 234

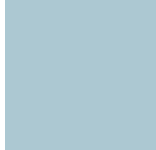
Monochromacy



Original Color
136, 180, 239



Achromatopsia
193, 193, 193



Achromatomaly
172, 188, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 180, 239 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(136, 213, 239)` looks like.

```
.text, #text, p{  
    color:rgb(136, 213, 239)  
}
```

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(136, 213, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 213, 239) }
```

Border

The CSS property to change the border of an element to RYB 136, 180, 239 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(136, 213, 239) }
```

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

```
.border{ border-color:rgb(136, 213, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 213, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 213, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 213, 239);  
box-shadow:4px 4px 4px 4px rgb(136, 213,  
239) }
```

Background

The CSS property to change the background color of an element to RYB 136, 180, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 213, 239) }
```

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

```
.background{ background-color: rgb(136,  
213, 239) }
```

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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