

Converting Colors

`RYB(135, 255, 160)`

Have a look what the booklet for
RYB(135, 255, 160) contains.

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Color

R_YB(135, 255, 160)

Conversions

Conversions Part 1

Format	Color
Hex	E6FF87
RGB	230, 255, 135
RGB Percent	90%, 100%, 53%
CMY	0.0980, 0.0000, 0.4706
CMYK	0.10, 0.00, 0.47, 0.00
HSL	72°, 100%, 76%
HSV	72°, 47%, 100%
XYZ	72.7663, 90.0923, 36.4760
YIQ	233.8450, 23.6200, -42.6200

Conversions

Conversions Part 2

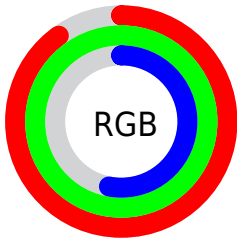
Format	Color
RYB	135, 255, 160
Decimal	15138695
CIELab	96.04, -25.50, 54.26
CIELCh	96, 59.956, 115.176
Yxy	90.0923, 0.3650, 0.4520
Android (android.graphics.Color)	4293328775 (0xFFE6FF87)
YUV	233.8450, -48.7306, -3.3721
Hunter-Lab	94.9169, -29.2610, 43.6571

Details

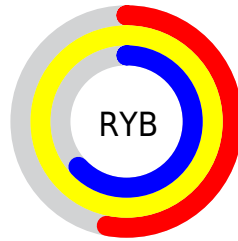
The RYB color **135, 255, 160** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **160, 135, 255**, and the grayscale version is **234, 234, 234**.

A 20% lighter version of the original color is **190, 255, 190**, and **82, 198, 107** is the 20% darker color. If you saturate the color by 10%, you get **110, 255, 140**, and if you desaturate by 10%, it is **161, 255, 181**.

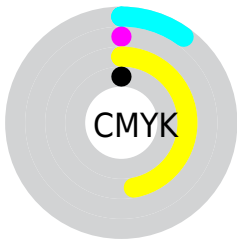
Distribution



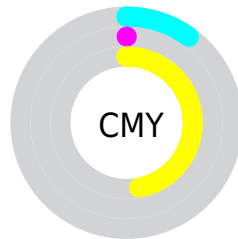
- Red (90%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (63%)



- Cyan (10%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 255, 160 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, 255, 160 by changing the saturation by 10% instead.

 135, 255, 160

255, 255, 255

 190, 255, 190

 219, 255, 219

 248, 255, 248


 135, 255, 160

 108, 226, 133

 82, 198, 107

 55, 171, 81

 26, 144, 53

 0, 119, 28

 0, 94, 30

 0, 70, 32

 0, 48, 39

 0, 29, 29

■ 135, 255, 160

■ 135, 255, 160

■ 110, 255, 140

■ 161, 255, 181

■ 84, 255, 120

■ 186, 255, 200

■ 58, 255, 99

■ 212, 255, 221

■ 33, 255, 79

■ 237, 255, 241

■ 8, 255, 60

255, 255, 255

■ 0, 255, 53

Harmonies

Analogous

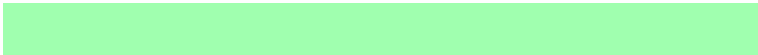
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



147, 255, 126



135, 255, 160



160, 242, 255

Triad

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



135, 255, 160



0, 128, 255



255, 197, 255

Complementary

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



135, 255, 160



160, 135, 255

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, 210, 255



135, 255, 160



125, 189, 255

Square

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



135, 255, 160



0, 128, 255



234, 232, 255



255, 200, 197

Rectangle

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



135, 255, 160



99, 189, 255



234, 232, 255



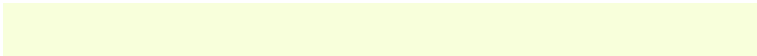
255, 200, 255

Sweetspot

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



135, 255, 160



219, 255, 226



255, 165, 135



106, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

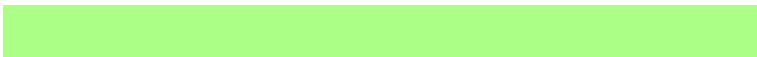
The Same Dimension uses a secret algorithm to generate beautiful new colors.



135, 255, 160



112, 255, 142



135, 255, 219



115, 128, 118



0, 191, 40



0, 64, 14

Inverse Universe

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



160, 135, 255



142, 112, 255



219, 135, 255



117, 115, 128



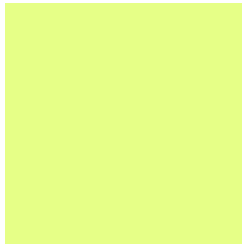
40, 0, 191



13, 0, 64

Previews

White Background



This preview shows how the RYB color 135, 255, 160 looks on a white background.

Color Contrast Check

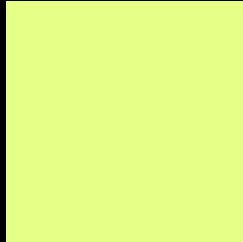
Large Text (above 18pt) WCAG AA × Fail

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, 255, 160 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, 255, 160 Background



This preview shows how black text looks on a background with the RYB color 135, 255, 160.

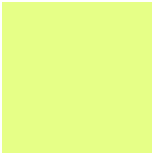
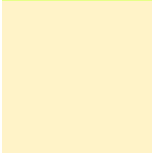
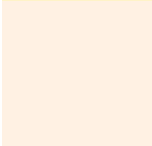


This preview shows how white text looks on a background with the RYB color 135, 255, 160.

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

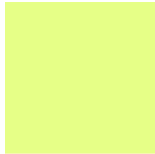
	Original Color 135, 255, 160
	Protanopia 215, 255, 200
	Deuteranopia 255, 255, 227



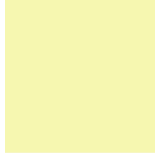
Tritanopia

244, 242, 255

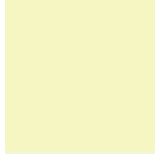
Trichromacy



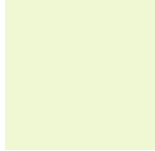
Original Color
135, 255, 160



Protanomaly
176, 247, 177



Deuteranomaly
194, 246, 194

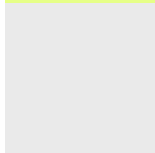


Tritanomaly
211, 247, 219

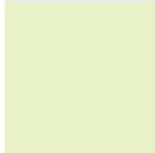
Monochromacy



Original Color
135, 255, 160



Achromatopsia
234, 234, 234



Achromatomaly
198, 242, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 255, 160 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(230, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 135)  
}
```

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(230, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 135) }
```

Border

The CSS property to change the border of an element to RYB 135, 255, 160 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(230, 255, 135) }
```

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

```
.border{ border-color:rgb(230, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
135) }
```

Background

The CSS property to change the background color of an element to RYB 135, 255, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 135) }
```

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

```
.background{ background-color: rgb(230,  
255, 135) }
```

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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