

Converting Colors

`RYB(87, 147, 230)`

Have a look what the booklet for
RYB(87, 147, 230) contains.

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Color

`RYB(87, 147, 230)`

Conversions

Conversions Part 1

Format	Color
Hex	57BEE6
RGB	87, 190, 230
RGB Percent	34%, 75%, 90%
CMY	0.6588, 0.2534, 0.0980
CMYK	0.62, 0.17, 0.00, 0.10
HSL	197°, 74%, 62%
HSV	197°, 62%, 90%
XYZ	36.7079, 44.7283, 81.5616
YIQ	163.7630, -74.2280, -9.3960

Conversions

Conversions Part 2

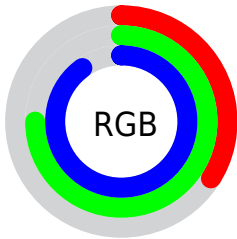
Format	Color
R _Y B	87, 147, 230
Decimal	5750502
CIE Lab	72.71, -18.26, -28.68
CIE LCh	73, 34.005, 237.516
Yxy	44.7283, 0.2252, 0.2744
Android (android.graphics.Color)	4283940582 (0xFF57BEE6)
YUV	163.7630, 32.6548, -67.3212
Hunter-Lab	66.8792, -19.0657, -25.4908

Details

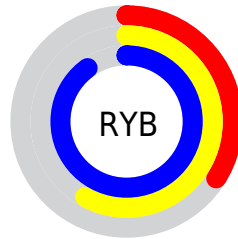
The RYB color **87, 147, 230** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **230, 143, 87**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **149, 200, 255**, and **0, 77, 174** is the 20% darker color. If you saturate the color by 10%, you get **64, 134, 230**, and if you desaturate by 10%, it is **110, 160, 230**.

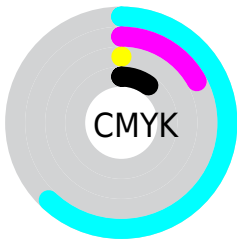
Distribution



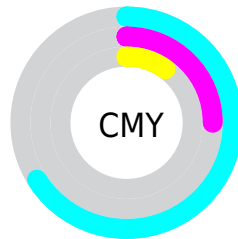
- Red (34%)
- Green (75%)
- Blue (90%)



- Red (34%)
- Yellow (58%)
- Blue (90%)



- Cyan (62%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



















- Cyan (66%)
- Magenta (25%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 147, 230 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 87, 147, 230 by changing the saturation by 10% instead.

 87, 147, 230	 87, 147, 230
 255, 255, 255	 51, 115, 202
 149, 200, 255	 0, 77, 174
 179, 217, 255	 0, 63, 148
 209, 232, 255	 0, 51, 122
 239, 247, 255	 0, 38, 97
	 0, 26, 73
	 0, 14, 50
	 0, 2, 29
	 0, 0, 0

■ 87, 147, 230

■ 87, 147, 230

■ 64, 134, 230

■ 110, 160, 230

■ 41, 120, 230

■ 133, 174, 230

■ 18, 107, 230

■ 156, 187, 230

■ 0, 96, 230

■ 179, 200, 230

■ 202, 214, 230

■ 225, 227, 230

■ 248, 237, 230

■ 255, 250, 230

■ 240, 255, 230

Harmonies

Analogous

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



71, 136, 206



87, 147, 230



132, 166, 240

Triad

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



87, 147, 230



236, 155, 182



122, 185, 137

Complementary

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



87, 147, 230



230, 143, 87

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.



153, 202, 116



87, 147, 230



239, 157, 151

Square

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



87, 147, 230



216, 161, 212



227, 188, 127



134, 183, 192

Rectangle

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



87, 147, 230



164, 174, 237



227, 188, 127



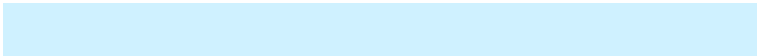
118, 182, 119

Sweetspot

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



87, 147, 230



207, 227, 255



87, 200, 230



98, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 147, 230



64, 144, 255



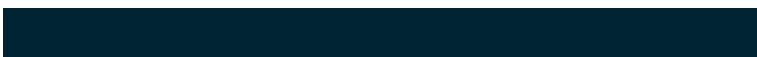
87, 114, 230



103, 108, 115



0, 75, 179



0, 21, 51

Inverse Universe

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



230, 87, 190



255, 64, 202



130, 230, 87



115, 103, 112



179, 0, 129



51, 0, 37

Previews

White Background



This preview shows how the RYB color 87, 147, 230 looks on a white background.

Color Contrast Check

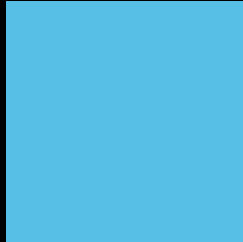
Large Text (above 18pt) WCAG AA × Fail

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 87, 147, 230 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](#).

R Y B 87, 147, 230 Background



This preview shows how black text looks on a background with the RYB color 87, 147, 230.

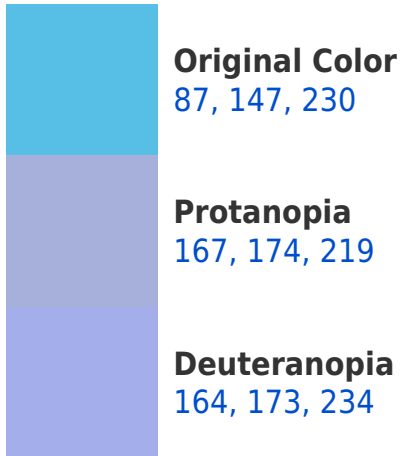


This preview shows how white text looks on a background with the RYB color 87, 147, 230.

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



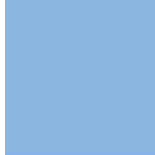


Tritanopia
77, 139, 210

Trichromacy



Original Color
87, 147, 230



Protanomaly
138, 167, 223



Deuteranomaly
136, 166, 233



Tritanomaly
81, 142, 217

Monochromacy



Original Color
87, 147, 230



Achromatopsia
164, 164, 164



Achromatomaly
136, 158, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 147, 230 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(87, 190, 230)` looks like.

```
.text, #text, p{  
    color:rgb(87, 190, 230)  
}
```

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(87, 190, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 190, 230) }
```

Border

The CSS property to change the border of an element to RYB 87, 147, 230 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(87, 190, 230) }
```

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

```
.border{ border-color:rgb(87, 190, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 190, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 190, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 190, 230);  
box-shadow:4px 4px 4px 4px rgb(87, 190,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 87, 147, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 190, 230) }
```

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

```
.background{ background-color: rgb(87, 190,  
230) }
```

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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