

# Converting Colors

`RYB(87, 146, 252)`

Have a look what the booklet for  
RYB(87, 146, 252) contains.

<b>RYB(87, 146, 252)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**`RYB(87, 146, 252)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	57B3FC
RGB	87, 179, 252
RGB Percent	34%, 70%, 99%
CMY	0.6588, 0.2987, 0.0118
CMYK	0.65, 0.29, 0.00, 0.01
HSL	207°, 96%, 66%
HSV	207°, 65%, 99%
XYZ	37.5891, 41.2305, 98.0726
YIQ	159.8140, -78.2650, 3.1990

# Conversions

## Conversions Part 2

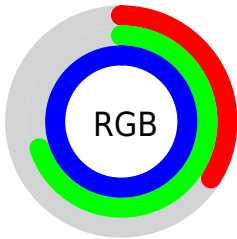
Format	Color
R <sub>Y</sub> B	87, 146, 252
Decimal	5747708
CIE Lab	70.34, -5.13, -44.29
CIE LCh	70, 44.588, 263.390
Yxy	41.2305, 0.2125, 0.2331
Android (android.graphics.Color)	4283937788 (0xFF57B3FC)
YUV	159.8140, 45.4477, -63.8579
Hunter-Lab	64.2109, -7.8751, -45.6089

# Details

The RYB color **87, 146, 252** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **252, 218, 87**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **151, 197, 255**, and **0, 77, 195** is the 20% darker color. If you saturate the color by 10%, you get **62, 130, 252**, and if you desaturate by 10%, it is **112, 162, 252**.

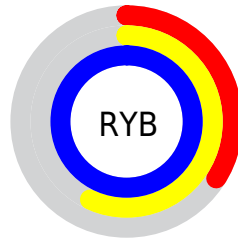
# Distribution



Red (34%)

Green (70%)

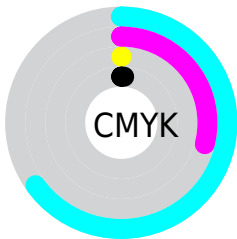
Blue (99%)



Red (34%)

Yellow (57%)

Blue (99%)

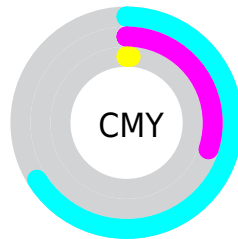


Cyan (65%)

Magenta (29%)

Yellow (0%)

Black (1%)



Cyan (66%)

Magenta (30%)


Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 87, 146, 252 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, 146, 252 by changing the saturation by 10% instead.



 87, 146, 252


255, 255, 255


 151, 197, 255

 182, 219, 255

 212, 234, 255

 243, 249, 255

 87, 146, 252

 48, 113, 223

 0, 77, 195

 0, 63, 168

 0, 50, 141

 0, 38, 115

 0, 25, 90

 0, 8, 66

 0, 3, 43

 0, 1, 21

■ 87, 146, 252

■ 87, 146, 252

■ 62, 130, 252

■ 112, 162, 252

■ 37, 114, 252

■ 137, 178, 252

■ 11, 97, 252

■ 163, 195, 252

■ 0, 90, 252

■ 188, 211, 252

■ 213, 227, 252

■ 238, 243, 252

252, 255, 252

# Harmonies

## Analogous

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



0, 105, 236



87, 146, 252



162, 165, 246

# Triad

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



87, 146, 252



249, 141, 142



118, 184, 188

# Complementary

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



87, 146, 252



252, 218, 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.



95, 179, 109



87, 146, 252



235, 175, 108

# Square

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



87, 146, 252



243, 140, 183



147, 205, 90



51, 131, 193

# Rectangle

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



87, 146, 252



199, 155, 231



147, 205, 90



111, 186, 162

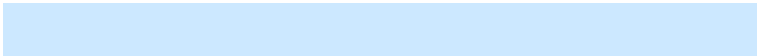


# Sweetspot

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



87, 146, 252



204, 222, 255



87, 202, 252



97, 108, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



87, 146, 252



54, 126, 255



87, 97, 252



112, 117, 125



0, 68, 189



0, 22, 61



# Inverse Universe

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



252, 87, 179



255, 54, 166



99, 252, 87



125, 112, 119



189, 0, 105

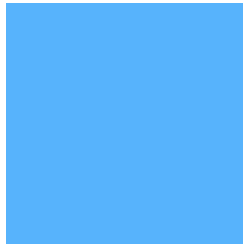


61, 0, 34



# Previews

## White Background



This preview shows how the RYB color 87, 146, 252 looks on a white background.

## Color Contrast Check

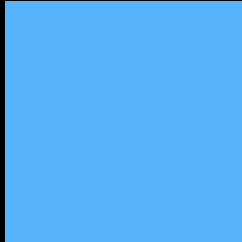
Large Text (above 18pt) WCAG AA × Fail

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, 146, 252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

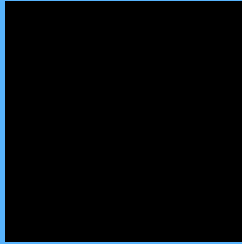
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

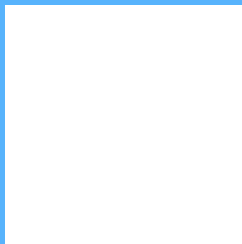
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 87, 146, 252 Background**



This preview shows how black text looks on a background with the RYB color 87, 146, 252.

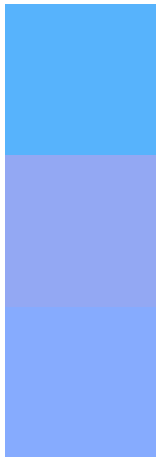


This preview shows how white text looks on a background with the RYB color 87, 146, 252.

# 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](#).

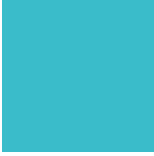
## Dichromacy



**Original Color**  
87, 146, 252

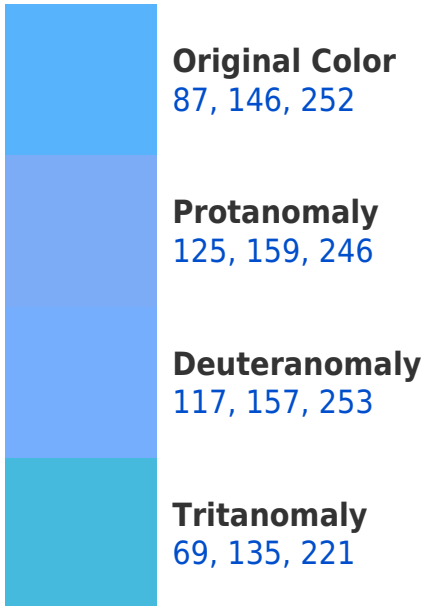
**Protanopia**  
147, 164, 243

**Deuteranopia**  
134, 162, 254

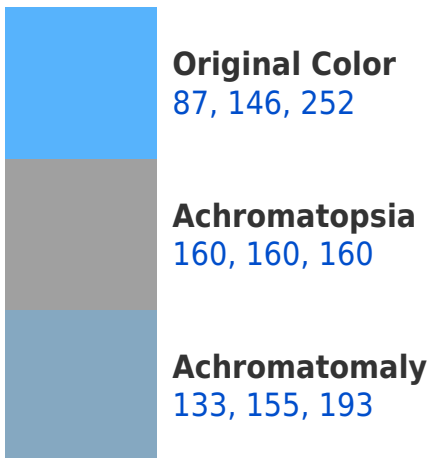


**Tritanopia**  
59, 127, 203

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 87, 146, 252 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, 179, 252)` looks like.

```
.text, #text, p{  
    color:rgb(87, 179, 252)  
}
```

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, 179, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 179, 252) }
```

## Border

The CSS property to change the border of an element to RYB 87, 146, 252 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, 179, 252) }
```

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

```
.border{ border-color:rgb(87, 179, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 179, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 179, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 179, 252);  
box-shadow:4px 4px 4px 4px rgb(87, 179,  
252) }
```

# Background

The CSS property to change the background color of an element to RGB 87, 146, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 179, 252) }
```

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

```
.background{ background-color: rgb(87, 179,  
252) }
```

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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