

Converting Colors

`RYB(123, 166, 253)`

Have a look what the booklet for
RYB(123, 166, 253) contains.

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Color

R_YB(123, 166, 253)

Conversions

Conversions Part 1

Format	Color
Hex	7BBBFD
RGB	123, 187, 253
RGB Percent	48%, 73%, 99%
CMY	0.5176, 0.2657, 0.0078
CMYK	0.51, 0.26, 0.00, 0.01
HSL	210°, 97%, 74%
HSV	210°, 51%, 99%
XYZ	43.7220, 46.9508, 99.6865
YIQ	175.3880, -59.3300, 6.9580

Conversions

Conversions Part 2

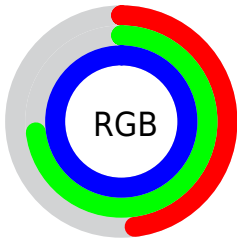
Format	Color
R _Y B	123, 166, 253
Decimal	8109053
CIE Lab	74.16, -2.64, -38.76
CIE LCh	74, 38.847, 266.103
Yxy	46.9508, 0.2297, 0.2466
Android (android.graphics.Color)	4286299133 (0xFF7BBBFD)
YUV	175.3880, 38.2627, -45.9443
Hunter-Lab	68.5207, -6.0130, -38.2929

Details

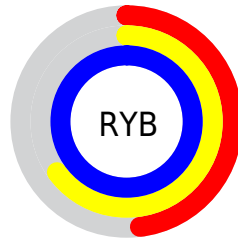
The RYB color **123, 166, 253** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **249, 253, 123**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **182, 215, 255**, and **61, 108, 196** is the 20% darker color. If you saturate the color by 10%, you get **98, 149, 253**, and if you desaturate by 10%, it is **148, 183, 253**.

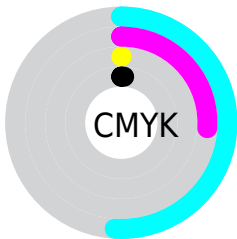
Distribution



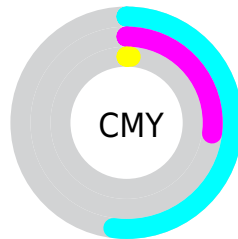
- Red (48%)
- Green (73%)
- Blue (99%)



- Red (48%)
- Yellow (65%)
- Blue (99%)



- Cyan (51%)
- Magenta (26%)
- Yellow (0%)
- Black (1%)



- Cyan (52%)
- Magenta (27%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 166, 253 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 123, 166, 253 by changing the saturation by 10% instead.


 123, 166, 253


255, 255, 255

 182, 215, 255

 211, 233, 255

 241, 248, 255

 123, 166, 253

 93, 137, 224


 61, 108, 196

 18, 75, 169

 0, 53, 142

 0, 40, 116

 0, 28, 91

 0, 16, 67

 0, 3, 44

 0, 1, 23

■ 123, 166, 253

■ 123, 166, 253

■ 98, 149, 253

■ 148, 183, 253

■ 72, 132, 253

■ 174, 200, 253

■ 47, 115, 253

■ 199, 217, 253

■ 22, 98, 253

■ 224, 233, 253

■ 0, 84, 253

■ 250, 251, 253

253, 255, 253

Harmonies

Analogous

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



61, 138, 241



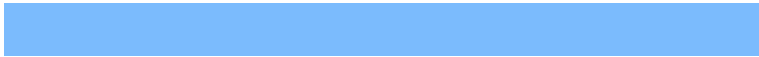
123, 166, 253



180, 175, 246

Triad

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



123, 166, 253



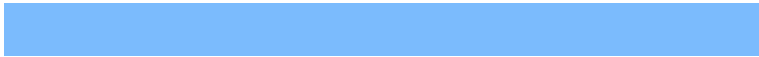
252, 157, 153



132, 189, 197

Complementary

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



123, 166, 253



249, 253, 123

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.



117, 190, 133



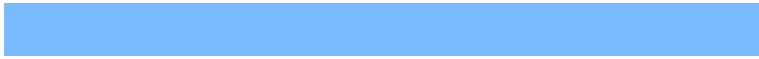
123, 166, 253



238, 191, 124

Square

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



123, 166, 253



247, 155, 188



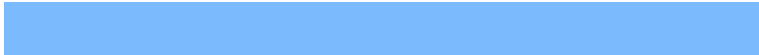
156, 210, 111



85, 150, 201

Rectangle

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



123, 166, 253



211, 166, 232



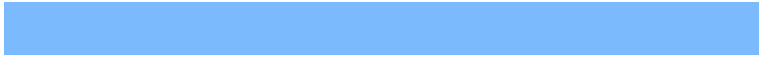
156, 210, 111



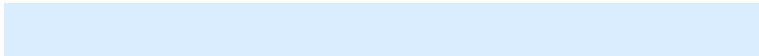
132, 195, 180

Sweetspot

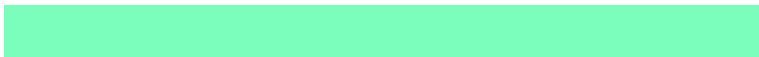
The Sweet Spot groups the original color and five complimentary colors.



123, 166, 253



217, 230, 255



123, 210, 253



105, 112, 128



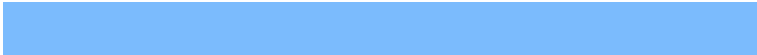
0, 0, 0



128, 128, 128

Same Dimension

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



123, 166, 253



97, 149, 255



123, 123, 253



115, 119, 128



0, 63, 191



0, 21, 64

Inverse Universe

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



253, 123, 187



255, 97, 175



123, 253, 123



128, 115, 121



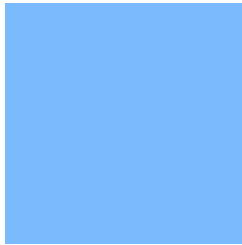
191, 0, 95



64, 0, 32

Previews

White Background



This preview shows how the RYB color 123, 166, 253 looks on a white background.

Color Contrast Check

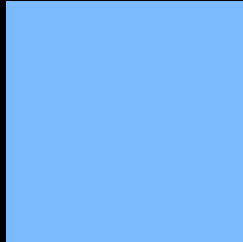
Large Text (above 18pt) WCAG AA × Fail

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 123, 166, 253 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

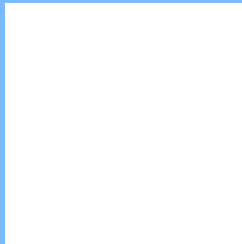
Any Text WCAG AAA ✓ Pass

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

RYB 123, 166, 253 Background



This preview shows how black text looks on a background with the RYB color 123, 166, 253.

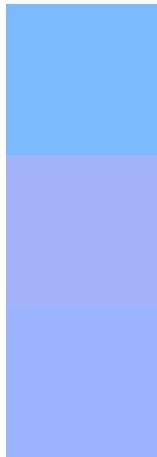


This preview shows how white text looks on a background with the RYB color 123, 166, 253.

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](#).

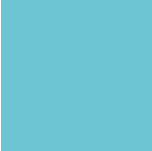
Dichromacy



Original Color
123, 166, 253

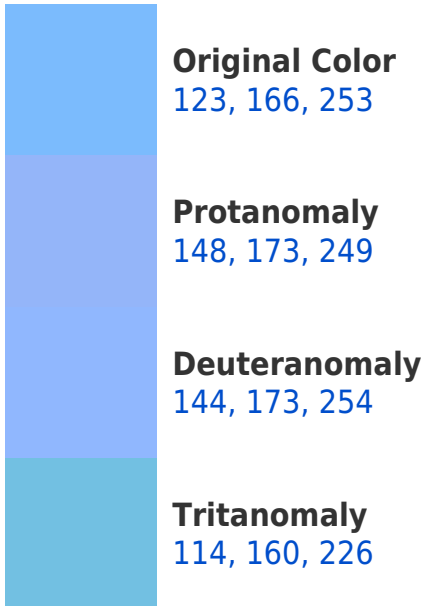
Protanopia
162, 176, 247

Deuteranopia
156, 175, 255

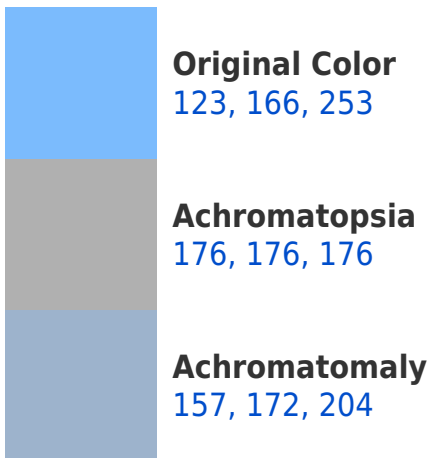


Tritanopia
109, 156, 211

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 166, 253 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(123, 187, 253)` looks like.

```
.text, #text, p{  
    color:rgb(123, 187, 253)  
}
```

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(123, 187, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 187, 253) }
```

Border

The CSS property to change the border of an element to RYB 123, 166, 253 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(123, 187, 253) }
```

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

```
.border{ border-color:rgb(123, 187, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 187, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 187, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 187, 253);  
box-shadow:4px 4px 4px 4px rgb(123, 187,  
253) }
```

Background

The CSS property to change the background color of an element to RYB 123, 166, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 187, 253) }
```

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

```
.background{ background-color: rgb(123,  
187, 253) }
```

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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