

Converting Colors

`RYB(120, 157, 255)`

Have a look what the booklet for
RYB(120, 157, 255) contains.

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Color

R_YB(120, 157, 255)

Conversions

Conversions Part 1

Format	Color
Hex	78ABFF
RGB	120, 171, 255
RGB Percent	47%, 67%, 100%
CMY	0.5294, 0.3295, 0.0000
CMYK	0.53, 0.33, 0.00, 0.00
HSL	217°, 100%, 74%
HSV	217°, 53%, 100%
XYZ	40.3529, 40.3273, 100.2649
YIQ	165.3270, -57.3600, 15.3120

Conversions

Conversions Part 2

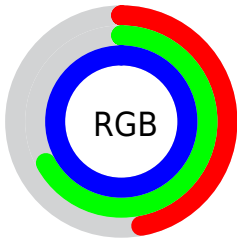
Format	Color
RYB	120, 157, 255
Decimal	7908351
CIELab	69.70, 6.39, -46.82
CIELCh	70, 47.249, 277.770
Yxy	40.3273, 0.2230, 0.2229
Android (android.graphics.Color)	4286098431 (0xFF78ABFF)
YUV	165.3270, 44.2088, -39.7518
Hunter-Lab	63.5038, 2.2944, -49.1591

Details

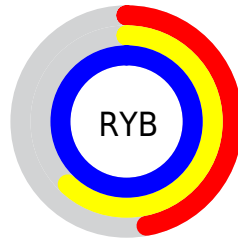
The RYB color **120, 157, 255** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **202, 255, 120**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **179, 208, 255**, and **57, 100, 198** is the 20% darker color. If you saturate the color by 10%, you get **95, 139, 255**, and if you desaturate by 10%, it is **146, 176, 255**.

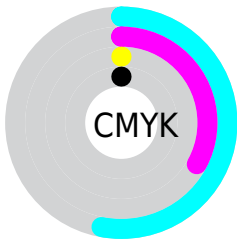
Distribution



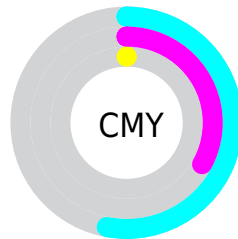
- Red (47%)
- Green (67%)
- Blue (100%)



- Red (47%)
- Yellow (62%)
- Blue (100%)



- Cyan (53%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 157, 255 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 120, 157, 255 by changing the saturation by 10% instead.


 120, 157, 255


255, 255, 255

 179, 208, 255

 209, 232, 255

 239, 247, 255

 120, 157, 255

 90, 129, 226

 57, 100, 198

 3, 62, 170

 0, 48, 143

 0, 35, 117

 0, 23, 92

 0, 4, 68

 0, 3, 45

 0, 1, 23

■ 120, 157, 255

■ 120, 157, 255

■ 95, 139, 255

■ 146, 176, 255

■ 69, 120, 255

■ 171, 194, 255

■ 44, 101, 255

■ 196, 213, 255

■ 18, 83, 255

■ 222, 231, 255

■ 0, 70, 255

■ 248, 250, 255

255, 255, 255

Harmonies

Analogous

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



0, 105, 249



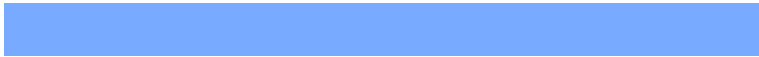
120, 157, 255



189, 155, 238

Triad

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



120, 157, 255



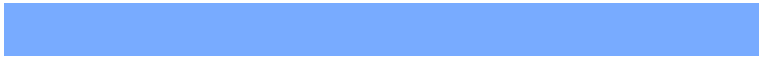
246, 147, 120



81, 153, 190

Complementary

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



120, 157, 255



202, 255, 120

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.



100, 183, 143



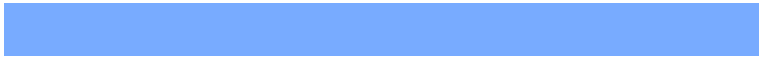
120, 157, 255



223, 223, 91

Square

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



120, 157, 255



251, 135, 161



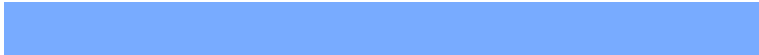
101, 186, 83



0, 99, 192

Rectangle

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



120, 157, 255



221, 144, 217



101, 186, 83



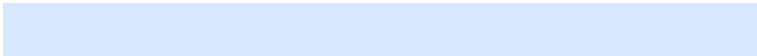
103, 172, 188

Sweetspot

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



120, 157, 255



214, 226, 255



120, 204, 255



103, 110, 128



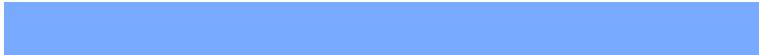
0, 0, 0



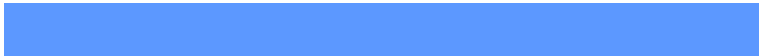
128, 128, 128

Same Dimension

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



120, 157, 255



92, 136, 255



136, 120, 255



115, 119, 128



0, 52, 191



0, 17, 64

Inverse Universe

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



255, 120, 171



255, 92, 153



120, 255, 136



128, 115, 120



191, 0, 72



64, 0, 24

Previews

White Background



This preview shows how the RYB color 120, 157, 255 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 120, 157, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

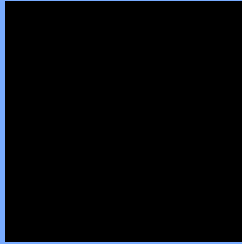
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

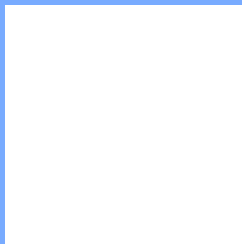
Any Text WCAG AAA ✓ Pass

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

RYB 120, 157, 255 Background



This preview shows how black text looks on a background with the RYB color 120, 157, 255.



This preview shows how white text looks on a background with the RYB color 120, 157, 255.

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
120, 157, 255

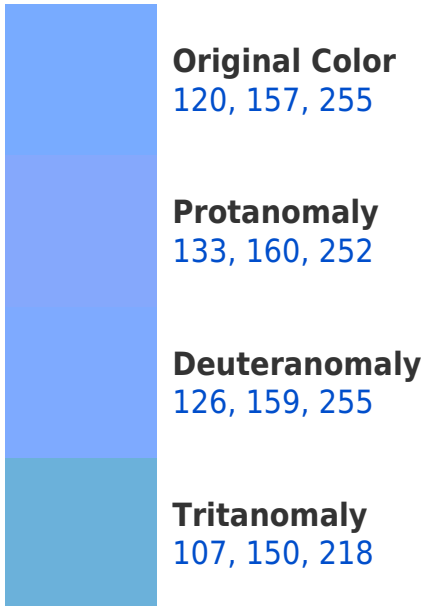
Protanopia
141, 162, 251

Deuteranopia
130, 160, 255

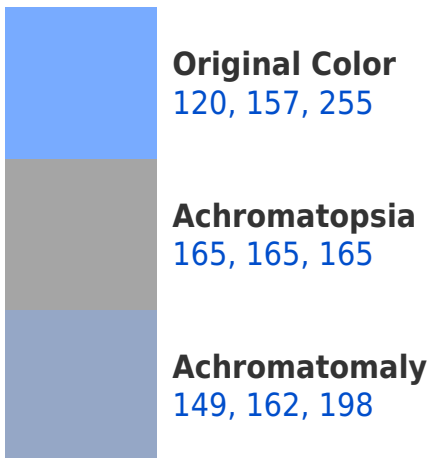


Tritanopia
100, 144, 197

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 157, 255 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(120, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 171, 255)  
}
```

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(120, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 171, 255) }
```

Border

The CSS property to change the border of an element to RYB 120, 157, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

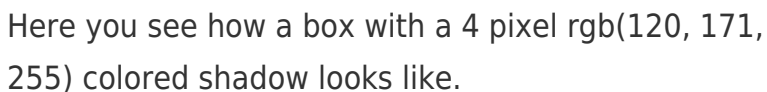
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 171, 255) }
```

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

```
.border{ border-color:rgb(120, 171, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(120, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 171, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 171, 255); box-shadow:4px 4px 4px 4px rgb(120, 171, 255) }
```

Background

The CSS property to change the background color of an element to RGB 120, 171, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 171, 255) }
```

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

```
.background{ background-color: rgb(120,  
171, 255) }
```

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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