

Converting Colors

`RYB(123, 141, 237)`

Have a look what the booklet for
RYB(123, 141, 237) contains.

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Color

R_YB(123, 141, 237)

Conversions

Conversions Part 1

Format	Color
Hex	7B90ED
RGB	123, 144, 237
RGB Percent	48%, 56%, 93%
CMY	0.5176, 0.4338, 0.0706
CMYK	0.48, 0.39, 0.00, 0.07
HSL	229°, 76%, 71%
HSV	229°, 48%, 93%
XYZ	33.4846, 30.3857, 84.2210
YIQ	148.3230, -42.3690, 24.4710

Conversions

Conversions Part 2

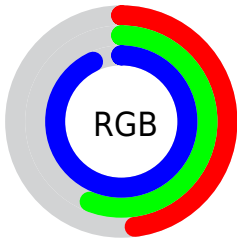
Format	Color
RYB	123, 141, 237
Decimal	8098029
CIELab	61.99, 16.99, -49.13
CIELCh	62, 51.987, 289.074
Yxy	30.3857, 0.2261, 0.2052
Android (android.graphics.Color)	4286288109 (0xFF7B90ED)
YUV	148.3230, 43.7178, -22.2083
Hunter-Lab	55.1232, 11.9642, -52.0010

Details

The RYB color **123, 141, 237** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **149, 237, 123**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **181, 195, 255**, and **64, 88, 181** is the 20% darker color. If you saturate the color by 10%, you get **99, 121, 237**, and if you desaturate by 10%, it is **147, 161, 237**.

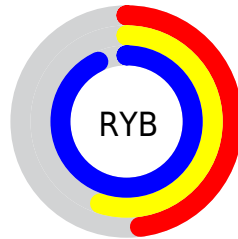
Distribution



Red (48%)

Green (56%)

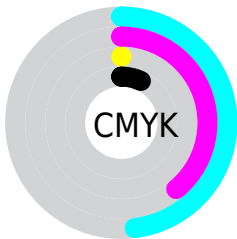
Blue (93%)



Red (48%)

Yellow (55%)

Blue (93%)

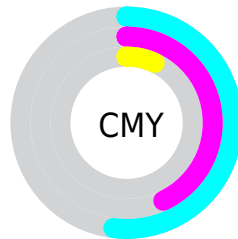


Cyan (48%)

Magenta (39%)

Yellow (0%)

Black (7%)



Cyan (52%)

Magenta (43%)

Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the RYB color 123, 141, 237 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, 141, 237 by changing the saturation by 10% instead.

 123, 141, 237


255, 255, 255


 181, 195, 255

 210, 222, 255

 239, 247, 255

 123, 141, 237

 94, 115, 208

 64, 88, 181

 28, 60, 153

 0, 35, 127

 0, 23, 101

 0, 3, 77

 0, 5, 53

 0, 2, 31

 0, 0, 2

■ 123, 141, 237

■ 123, 141, 237

■ 99, 121, 237

■ 147, 161, 237

■ 76, 101, 237

■ 170, 181, 237

■ 52, 81, 237

■ 194, 201, 237

■ 28, 61, 237

■ 218, 221, 237

■ 4, 41, 237

■ 238, 242, 237

■ 0, 37, 237

■ 237, 255, 237

Harmonies

Analogous

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



0, 96, 240



123, 141, 237



190, 126, 211

Triad

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



123, 141, 237



221, 142, 82



0, 98, 172

Complementary

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



123, 141, 237



149, 237, 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.



87, 166, 160



123, 141, 237



133, 190, 56

Square

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



123, 141, 237



235, 111, 122



57, 156, 66



0, 88, 178

Rectangle

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



123, 141, 237



217, 115, 184



57, 156, 66



31, 118, 170

Sweetspot

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



123, 141, 237



219, 225, 255



123, 186, 237



106, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 141, 237



107, 131, 255



157, 123, 237



106, 108, 117



0, 29, 181



0, 8, 54

Inverse Universe

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



237, 123, 144



255, 107, 135



123, 237, 157



117, 106, 108



181, 0, 34



54, 0, 10

Previews

White Background



This preview shows how the RYB color 123, 141, 237 looks on a white background.

Color Contrast Check

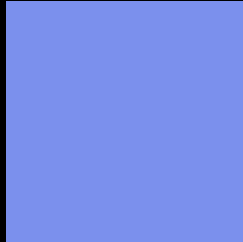
Large Text (above 18pt) WCAG AA × Fail

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, 141, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

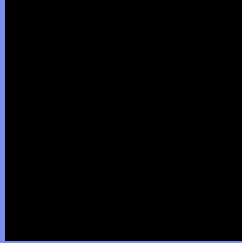
Any Text WCAG AA ✓ Pass

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 123, 141, 237 Background



This preview shows how black text looks on a background with the R Y B color 123, 141, 237.



This preview shows how white text looks on a background with the R Y B color 123, 141, 237.

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, 141, 237

Protanopia
114, 139, 239

Deuteranopia
102, 137, 236



Tritanopia
103, 133, 171

Trichromacy



Original Color

123, 141, 237

Protanomaly

117, 140, 238

Deuteranomaly

110, 139, 236

Tritanomaly

110, 139, 195

Monochromacy



Original Color

123, 141, 237

Achromatopsia

149, 149, 149

Achromatomaly

140, 146, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 141, 237 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, 144, 237)` looks like.

```
.text, #text, p{  
    color:rgb(123, 144, 237)  
}
```

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, 144, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 144, 237) }
```

Border

The CSS property to change the border of an element to RYB 123, 141, 237 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, 144, 237) }
```

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

```
.border{ border-color:rgb(123, 144, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 144, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 144, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 144, 237);  
box-shadow:4px 4px 4px 4px rgb(123, 144,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 123, 141, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 144, 237) }
```

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

```
.background{ background-color: rgb(123,  
144, 237) }
```

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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