

Converting Colors

`RYB(103, 140, 229)`

Have a look what the booklet for
RYB(103, 140, 229) contains.

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Color

R_YB(103, 140, 229)

Conversions

Conversions Part 1

Format	Color
Hex	679BE5
RGB	103, 155, 229
RGB Percent	40%, 61%, 90%
CMY	0.5961, 0.3907, 0.1020
CMYK	0.55, 0.32, 0.00, 0.10
HSL	215°, 71%, 65%
HSV	215°, 55%, 90%
XYZ	31.5214, 32.1108, 78.6654
YIQ	147.8880, -54.7460, 11.9900

Conversions

Conversions Part 2

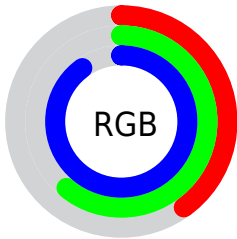
Format	Color
RYB	103, 140, 229
Decimal	6790117
CIELab	63.43, 3.70, -42.51
CIELCh	63, 42.667, 274.979
Yxy	32.1108, 0.2215, 0.2257
Android (android.graphics.Color)	4284980197 (0xFF679BE5)
YUV	147.8880, 39.9882, -39.3668
Hunter-Lab	56.6664, 0.1268, -42.6411

Details

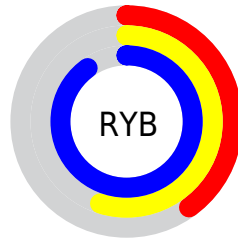
The RYB color **103, 140, 229** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **192, 229, 103**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **161, 193, 255**, and **38, 82, 173** is the 20% darker color. If you saturate the color by 10%, you get **80, 124, 229**, and if you desaturate by 10%, it is **126, 156, 229**.

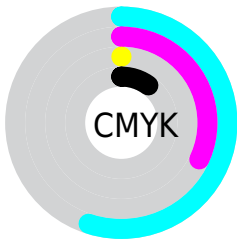
Distribution



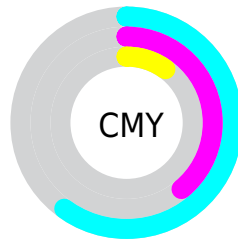
- Red (40%)
- Green (61%)
- Blue (90%)



- Red (40%)
- Yellow (55%)
- Blue (90%)



- Cyan (55%)
- Magenta (32%)
- Yellow (0%)
- Black (10%)



- Cyan (60%)
- Magenta (39%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the RYB color 103, 140, 229 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 103, 140, 229 by changing the saturation by 10% instead.

 103, 140, 229


255, 255, 255


 161, 193, 255

 191, 218, 255

 220, 238, 255

 250, 253, 255

 103, 140, 229


 73, 112, 201

 38, 83, 173

 0, 52, 146

 0, 39, 120

 0, 27, 95

 0, 13, 71

 0, 4, 48

 0, 1, 26

 0, 0, 0

■ 103, 140, 229

■ 103, 140, 229

■ 80, 124, 229

■ 126, 156, 229

■ 57, 108, 229

■ 149, 172, 229

■ 34, 91, 229

■ 172, 189, 229

■ 11, 75, 229

■ 195, 205, 229

■ 0, 67, 229

■ 218, 221, 229

■ 235, 240, 229

■ 237, 255, 229

■ 229, 255, 229

Harmonies

Analogous

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



0, 95, 222



103, 140, 229



165, 141, 216

Triad

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



103, 140, 229



222, 131, 112



81, 144, 171

Complementary

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



103, 140, 229



192, 229, 103

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.



89, 164, 122



103, 140, 229



203, 188, 85

Square

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



103, 140, 229



225, 122, 149



97, 171, 76



0, 90, 173

Rectangle

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



103, 140, 229



195, 132, 198



97, 171, 76



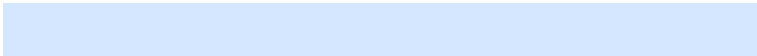
99, 160, 169

Sweetspot

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



103, 140, 229



212, 225, 255



103, 182, 229



102, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



103, 140, 229



87, 136, 255



114, 103, 229



103, 107, 115



0, 52, 179



0, 15, 51

Inverse Universe

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



229, 103, 155



255, 87, 157



103, 229, 113



115, 103, 108



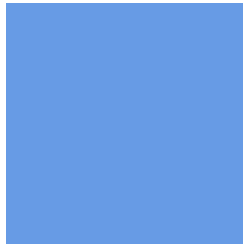
179, 0, 74



51, 0, 21

Previews

White Background



This preview shows how the RYB color 103, 140, 229 looks on a white background.

Color Contrast Check

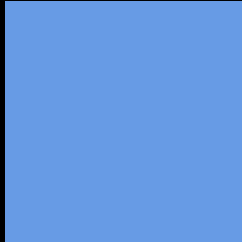
Large Text (above 18pt) WCAG AA × Fail

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 103, 140, 229 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

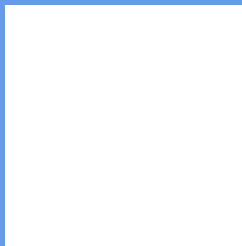
Any Text WCAG AAA ✓ Pass

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

RYB 103, 140, 229 Background



This preview shows how black text looks on a background with the RYB color 103, 140, 229.



This preview shows how white text looks on a background with the RYB color 103, 140, 229.

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
103, 140, 229

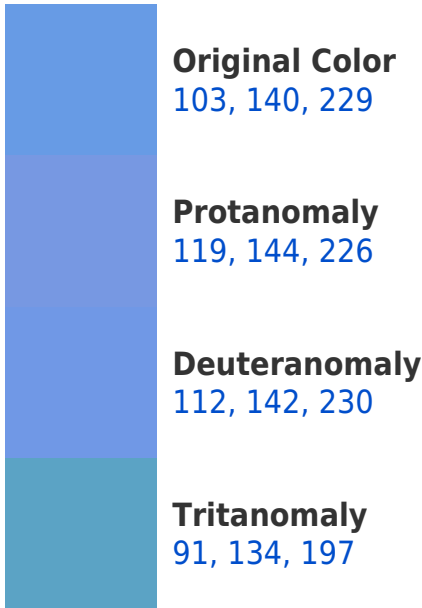
Protanopia
128, 146, 225

Deuteranopia
117, 144, 230

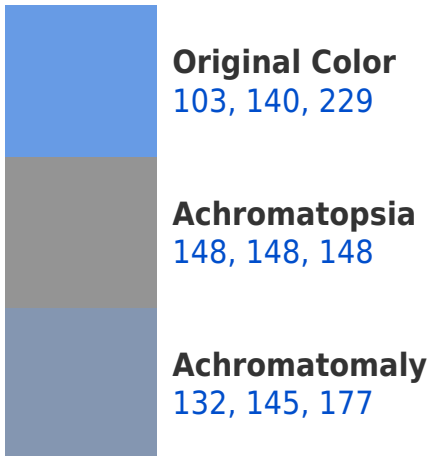


Tritanopia
84, 128, 179

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 140, 229 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(103, 155, 229)` looks like.

```
.text, #text, p{  
    color:rgb(103, 155, 229)  
}
```

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(103, 155, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 155, 229) }
```

Border

The CSS property to change the border of an element to RYB 103, 140, 229 is called "border". The border property can be set on classes, ids or directly on the HTML element.

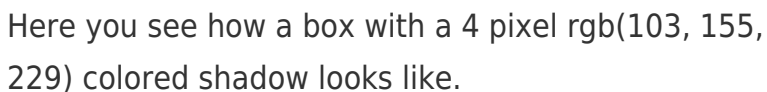
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 155, 229) }
```

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

```
.border{ border-color:rgb(103, 155, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 155, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 155, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 155, 229); box-shadow:4px 4px 4px 4px rgb(103, 155, 229) }
```

Background

The CSS property to change the background color of an element to RYB 103, 140, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 155, 229) }
```

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

```
.background{ background-color: rgb(103,  
155, 229) }
```

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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