

Converting Colors

`RYB(122, 166, 229)`

Have a look what the booklet for
RYB(122, 166, 229) contains.

RYB(122, 166, 229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(122, 166, 229)

Conversions

Conversions Part 1

Format	Color
Hex	7AC5E5
RGB	122, 197, 229
RGB Percent	48%, 77%, 90%
CMY	0.5216, 0.2285, 0.1020
CMYK	0.47, 0.14, 0.00, 0.10
HSL	198°, 67%, 69%
HSV	198°, 47%, 90%
XYZ	42.0739, 49.6048, 81.4859
YIQ	178.2230, -54.9720, -5.9480

Conversions

Conversions Part 2

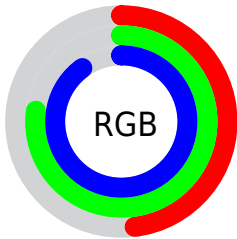
Format	Color
RYB	122, 166, 229
Decimal	8046053
CIELab	75.83, -14.74, -23.26
CIELCh	76, 27.538, 237.637
Yxy	49.6048, 0.2430, 0.2865
Android (android.graphics.Color)	4286236133 (0xFF7AC5E5)
YUV	178.2230, 25.0331, -49.3076
Hunter-Lab	70.4307, -16.6212, -19.2951

Details

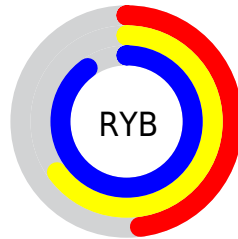
The RYB color **122, 166, 229** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **229, 168, 122**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **179, 217, 255**, and **64, 110, 173** is the 20% darker color. If you saturate the color by 10%, you get **99, 153, 229**, and if you desaturate by 10%, it is **145, 180, 229**.

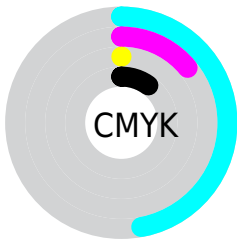
Distribution



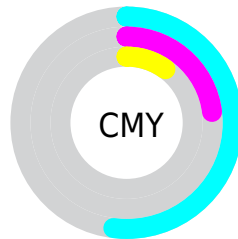
- Red (48%)
- Green (77%)
- Blue (90%)



- Red (48%)
- Yellow (65%)
- Blue (90%)



- Cyan (47%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)




- Cyan (52%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 166, 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 122, 166, 229 by changing the saturation by 10% instead.


 122, 166, 229


255, 255, 255


 179, 216, 255

 208, 232, 255

 238, 247, 255

 122, 166, 229

 93, 138, 201


 64, 110, 173

 28, 79, 147

 0, 53, 121

 0, 40, 96

 0, 28, 72

 0, 18, 50

 0, 2, 29

 0, 0, 0

122, 166, 229

122, 166, 229

99, 153, 229

145, 180, 229

76, 139, 229

168, 193, 229

53, 125, 229

191, 206, 229

30, 112, 229

214, 220, 229

8, 99, 229

236, 232, 229

0, 94, 229

255, 243, 229

245, 255, 229

232, 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.



111, 158, 210



122, 166, 229



153, 179, 237

Triad

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



122, 166, 229



235, 169, 190



141, 192, 153

Complementary

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



122, 166, 229



229, 168, 122

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.



168, 207, 136



122, 166, 229



238, 170, 165

Square

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



122, 166, 229



218, 173, 214



228, 194, 145



151, 191, 198

Rectangle

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



122, 166, 229



177, 183, 235



228, 194, 145



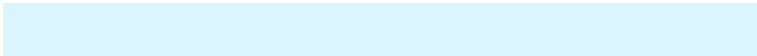
138, 190, 138

Sweetspot

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



122, 166, 229



219, 234, 255



122, 204, 229



106, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 166, 229



112, 171, 255



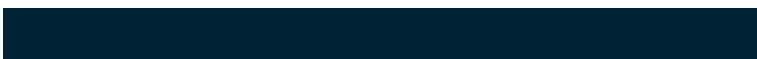
122, 140, 229



103, 108, 115



0, 74, 179



0, 21, 51

Inverse Universe

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



229, 122, 197



255, 112, 212



148, 229, 122



115, 103, 111



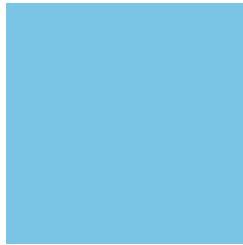
179, 0, 125



51, 0, 36

Previews

White Background



This preview shows how the RYB color 122, 166, 229 looks on a white background.

Color Contrast Check

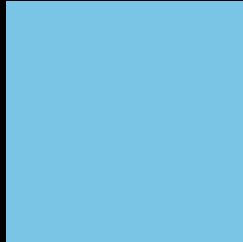
Large Text (above 18pt) WCAG AA × Fail

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 122, 166, 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 122, 166, 229 Background



This preview shows how black text looks on a background with the RYB color 122, 166, 229.



This preview shows how white text looks on a background with the RYB color 122, 166, 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](#).

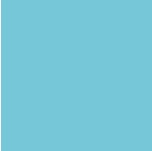
Dichromacy



Original Color
122, 166, 229

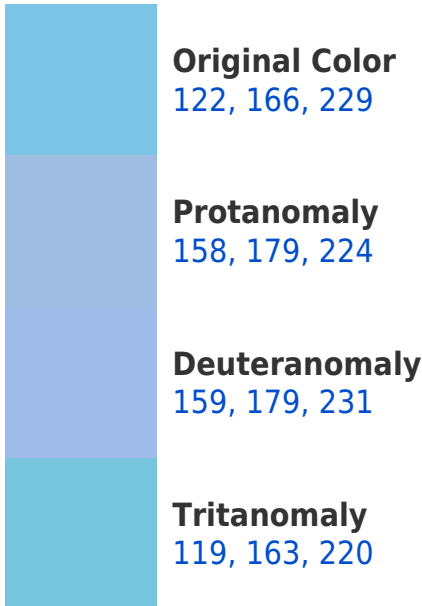
Protanopia
179, 183, 221

Deuteranopia
180, 182, 232

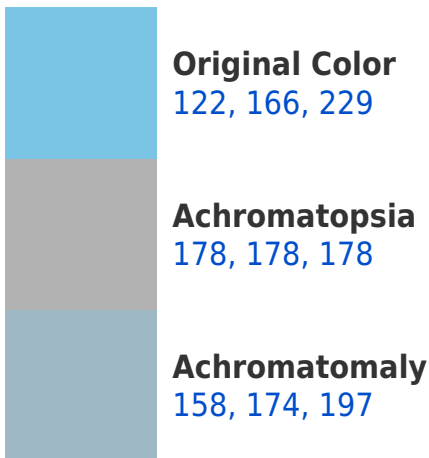


Tritanopia
118, 162, 215

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 166, 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(122, 197, 229)` looks like.

```
.text, #text, p{  
    color:rgb(122, 197, 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(122, 197, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 197, 229) }
```

Border

The CSS property to change the border of an element to RYB 122, 166, 229 is called "border". The border property can be set on classes, ids or directly on the HTML element.

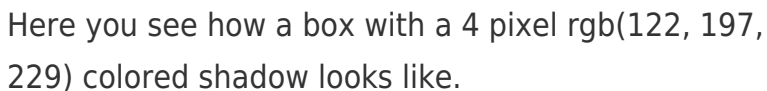
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 197, 229) }
```

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

```
.border{ border-color:rgb(122, 197, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(122, 197, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 197, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 197, 229);  
box-shadow:4px 4px 4px 4px rgb(122, 197,  
229) }
```

Background

The CSS property to change the background color of an element to RYB 122, 166, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 197, 229) }
```

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

```
.background{ background-color: rgb(122,  
197, 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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