

Converting Colors

`RYB(122, 168, 236)`

Have a look what the booklet for
RYB(122, 168, 236) contains.

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Color

`RYB(122, 168, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	7AC7EC
RGB	122, 199, 236
RGB Percent	48%, 78%, 93%
CMY	0.5216, 0.2191, 0.0745
CMYK	0.48, 0.16, 0.00, 0.07
HSL	199°, 75%, 70%
HSV	199°, 48%, 93%
XYZ	43.6169, 51.0947, 86.9203
YIQ	180.1950, -57.7690, -4.8170

Conversions

Conversions Part 2

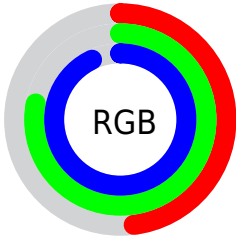
Format	Color
RYB	122, 168, 236
Decimal	8046572
CIELab	76.74, -14.06, -25.64
CIELCh	77, 29.244, 241.259
Yxy	51.0947, 0.2401, 0.2813
Android (android.graphics.Color)	4286236652 (0xFF7AC7EC)
YUV	180.1950, 27.5119, -51.0370
Hunter-Lab	71.4806, -16.1717, -22.0602

Details

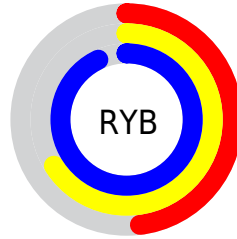
The RYB color **122, 168, 236** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **236, 177, 122**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **180, 218, 255**, and **62, 111, 180** is the 20% darker color. If you saturate the color by 10%, you get **98, 154, 236**, and if you desaturate by 10%, it is **146, 182, 236**.

Distribution



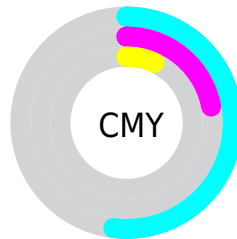
- Red (48%)
- Green (78%)
- Blue (93%)



- Red (48%)
- Yellow (66%)
- Blue (93%)



- Cyan (48%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)




- Cyan (52%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 168, 236 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, 168, 236 by changing the saturation by 10% instead.

 122, 168, 236


255, 255, 255


 180, 218, 255

 209, 232, 255

 239, 247, 255

 122, 168, 236

 93, 140, 208


 62, 111, 180

 24, 79, 153

 0, 54, 127

 0, 42, 102

 0, 30, 78


 0, 19, 55


 0, 2, 33


 0, 0, 7

 122, 168, 236


 122, 168, 236

 98, 154, 236


 146, 182, 236

 75, 140, 236

 169, 196, 236

 51, 126, 236


 193, 210, 236

 28, 112, 236

 216, 224, 236

 4, 98, 236

 240, 237, 236

 0, 95, 236

 255, 253, 236

 238, 255, 236

 236, 255, 236

Harmonies

Analogous

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



107, 158, 216



122, 168, 236



157, 181, 243

Triad

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



122, 168, 236



242, 170, 189



143, 196, 160

Complementary

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



122, 168, 236



236, 177, 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.



163, 208, 135



122, 168, 236



243, 173, 163

Square

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



122, 168, 236



225, 174, 216



231, 204, 143



148, 190, 202

Rectangle

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



122, 168, 236



183, 185, 240



231, 204, 143



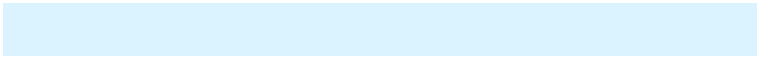
139, 194, 144

Sweetspot

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



122, 168, 236



219, 233, 255



122, 209, 236



106, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 168, 236



107, 167, 255



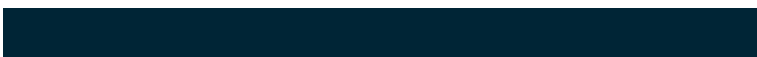
122, 140, 236



106, 111, 117



0, 73, 181



0, 22, 54

Inverse Universe

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



236, 122, 199



255, 107, 207



148, 236, 122



117, 106, 114



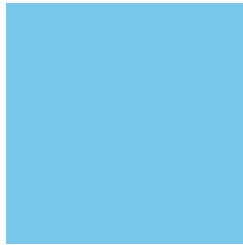
181, 0, 122



54, 0, 36

Previews

White Background



This preview shows how the RYB color 122, 168, 236 looks on a white background.

Color Contrast Check

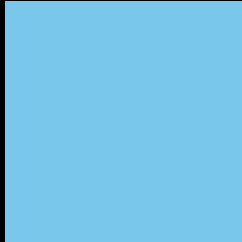
Large Text (above 18pt) WCAG AA × Fail

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, 168, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

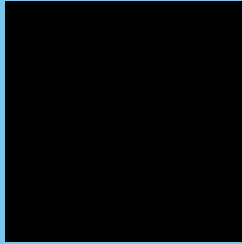
Any Text WCAG AA ✓ Pass

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, 168, 236 Background



This preview shows how black text looks on a background with the RYB color 122, 168, 236.

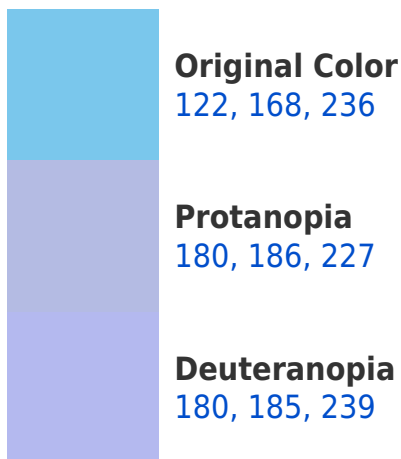


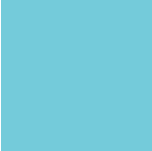
This preview shows how white text looks on a background with the RYB color 122, 168, 236.

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](#).

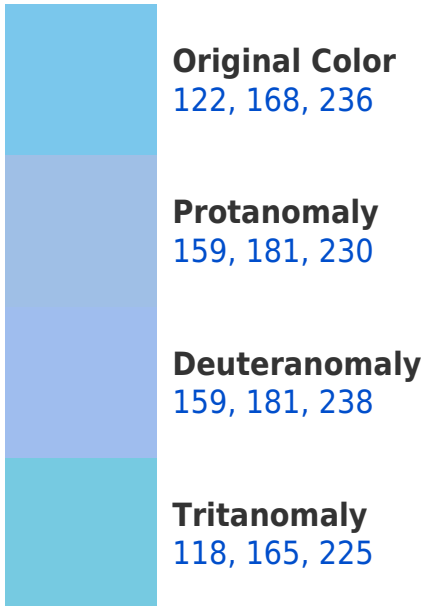
Dichromacy



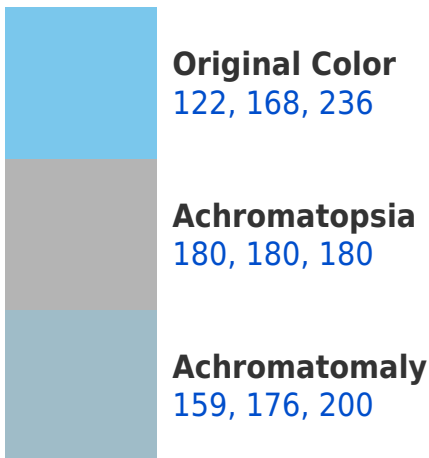


Tritanopia
116, 163, 218

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 168, 236 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, 199, 236)` looks like.

```
.text, #text, p{  
    color:rgb(122, 199, 236)  
}
```

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, 199, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 199, 236) }
```

Border

The CSS property to change the border of an element to RYB 122, 168, 236 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, 199, 236) }
```

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

```
.border{ border-color:rgb(122, 199, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 199, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 199, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 199, 236); box-shadow:4px 4px 4px 4px rgb(122, 199, 236) }
```

Background

The CSS property to change the background color of an element to RYB 122, 168, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 199, 236) }
```

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

```
.background{ background-color: rgb(122,  
199, 236) }
```

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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