

Converting Colors

`RYB(130, 166, 220)`

Have a look what the booklet for
RYB(130, 166, 220) contains.

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Color

$\text{RYB}(130, 166, 220)$

Conversions

Conversions Part 1

Format	Color
Hex	82BEDC
RGB	130, 190, 220
RGB Percent	51%, 75%, 86%
CMY	0.4902, 0.2549, 0.1373
CMYK	0.41, 0.14, 0.00, 0.14
HSL	200°, 56%, 69%
HSV	200°, 41%, 86%
XYZ	40.5376, 46.7400, 74.5953
YIQ	175.4800, -45.3900, -3.3900

Conversions

Conversions Part 2

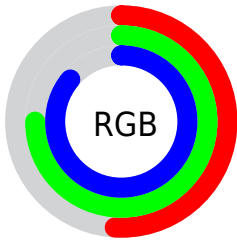
Format	Color
R _{YB}	130, 166, 220
Decimal	8568540
CIE _{Lab}	74.02, -11.67, -21.10
CIE _{LCh}	74, 24.109, 241.063
Yxy	46.7400, 0.2504, 0.2887
Android (android.graphics.Color)	4286758620 (0xFF82BEDC)
YUV	175.4800, 21.9484, -39.8860
Hunter-Lab	68.3667, -13.8011, -16.8350

Details

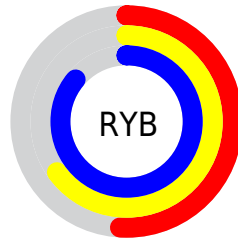
The RYB color **130, 166, 220** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **220, 175, 130**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **186, 218, 255**, and **75, 112, 165** is the 20% darker color. If you saturate the color by 10%, you get **108, 153, 220**, and if you desaturate by 10%, it is **152, 179, 220**.

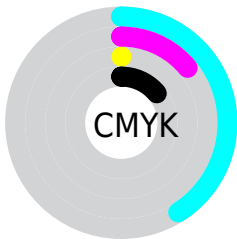
Distribution



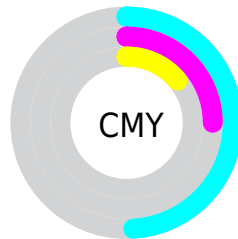
- Red (51%)
- Green (75%)
- Blue (86%)



- Red (51%)
- Yellow (65%)
- Blue (86%)



- Cyan (41%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)




- Cyan (49%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 130, 166, 220 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 130, 166, 220 by changing the saturation by 10% instead.


 130, 166, 220


255, 255, 255


 186, 218, 255

 215, 235, 255

 244, 250, 255


 130, 166, 220

 102, 138, 192

 75, 112, 165

 46, 84, 139

 6, 52, 113

 0, 37, 88

 0, 26, 65


 0, 15, 43


 0, 1, 22


 0, 0, 0

 130, 166, 220


 130, 166, 220

 108, 153, 220


 152, 179, 220

 86, 139, 220


 174, 193, 220

 64, 126, 220

 196, 206, 220

 42, 113, 220

 218, 219, 220

 20, 100, 220

 240, 231, 220

 0, 88, 220

 255, 243, 220

 243, 255, 220

 227, 255, 220

 220, 255, 220

Harmonies

Analogous

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



119, 159, 204



130, 166, 220



157, 176, 226

Triad

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



130, 166, 220



225, 166, 182



144, 188, 158

Complementary

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



130, 166, 220



220, 175, 130

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.



162, 198, 138



130, 166, 220



227, 169, 160

Square

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



130, 166, 220



211, 169, 204



217, 192, 144



148, 183, 192

Rectangle

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



130, 166, 220



177, 179, 223



217, 192, 144



140, 185, 143

Sweetspot

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



130, 166, 220



224, 237, 255



130, 198, 220



110, 117, 128



0, 0, 0



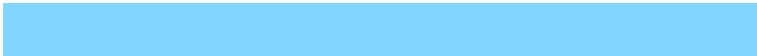
128, 128, 128

Same Dimension

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



130, 166, 220



130, 180, 255



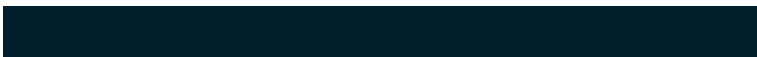
130, 143, 220



99, 103, 110



0, 69, 173



0, 19, 46

Inverse Universe

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



220, 130, 190



255, 130, 213



148, 220, 130



110, 99, 106



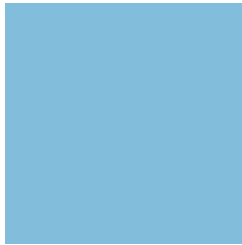
173, 0, 116



46, 0, 31

Previews

White Background



This preview shows how the RYB color 130, 166, 220 looks on a white background.

Color Contrast Check

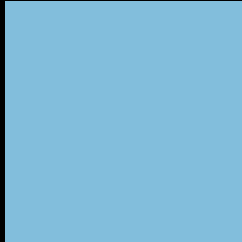
Large Text (above 18pt) WCAG AA × Fail

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 130, 166, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

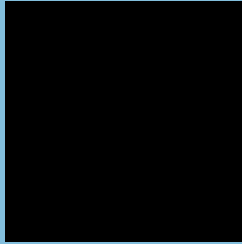
Any Text WCAG AA ✓ Pass

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 130, 166, 220 Background



This preview shows how black text looks on a background with the RYB color 130, 166, 220.



This preview shows how white text looks on a background with the RYB color 130, 166, 220.

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](#).

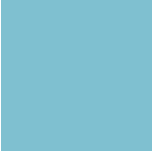
Dichromacy



Original Color
130, 166, 220

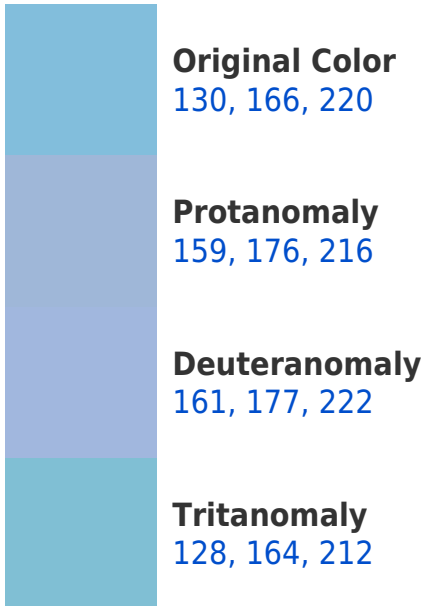
Protanopia
175, 179, 213

Deuteranopia
178, 177, 223

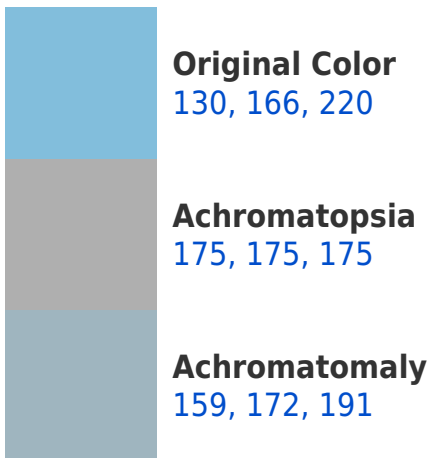


Tritanopia
127, 163, 208

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 130, 166, 220 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(130, 190, 220)` looks like.

```
.text, #text, p{  
    color:rgb(130, 190, 220)  
}
```

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(130, 190, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 190, 220) }
```

Border

The CSS property to change the border of an element to RYB 130, 166, 220 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(130, 190, 220) }
```

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

```
.border{ border-color:rgb(130, 190, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 190, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 190, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 190, 220); box-shadow:4px 4px 4px 4px rgb(130, 190, 220) }
```

Background

The CSS property to change the background color of an element to RYB 130, 166, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 190, 220) }
```

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

```
.background{ background-color: rgb(130,  
190, 220) }
```

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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