

Converting Colors

`RYB(119, 161, 206)`

Have a look what the booklet for
RYB(119, 161, 206) contains.

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Color

$\text{RYB}(119, 161, 206)$

Conversions

Conversions Part 1

Format	Color
Hex	77C8CE
RGB	119, 200, 206
RGB Percent	47%, 78%, 81%
CMY	0.5333, 0.2149, 0.1922
CMYK	0.42, 0.03, 0.00, 0.19
HSL	184°, 47%, 64%
HSV	184°, 42%, 81%
XYZ	39.4490, 49.7794, 65.9217
YIQ	176.4650, -50.2020, -15.3060

Conversions

Conversions Part 2

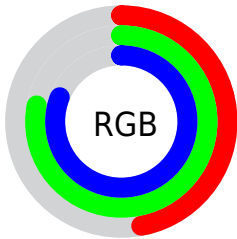
Format	Color
RYB	119, 161, 206
Decimal	7850190
CIELab	75.93, -23.30, -10.69
CIELCh	76, 25.634, 204.642
Yxy	49.7794, 0.2543, 0.3208
Android (android.graphics.Color)	4286040270 (0xFF77C8CE)
YUV	176.4650, 14.5608, -50.3968
Hunter-Lab	70.5545, -23.6662, -6.0087

Details

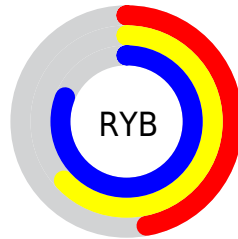
The RYB color **119, 161, 206** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **206, 125, 119**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **175, 215, 255**, and **62, 105, 152** is the 20% darker color. If you saturate the color by 10%, you get **98, 150, 206**, and if you desaturate by 10%, it is **140, 172, 206**.

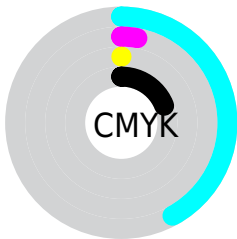
Distribution



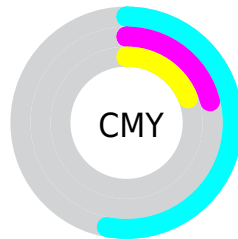
- Red (47%)
- Green (78%)
- Blue (81%)



- Red (47%)
- Yellow (63%)
- Blue (81%)



- Cyan (42%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)



- Cyan (53%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 161, 206 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 119, 161, 206 by changing the saturation by 10% instead.

 119, 161, 206


255, 255, 255

 175, 215, 255

 204, 230, 255

 233, 244, 255

 119, 161, 206

 91, 133, 179


 62, 105, 152

 29, 76, 126

 0, 49, 101

 0, 37, 77

 0, 25, 54

 0, 15, 33

 0, 0, 9

 0, 0, 0

■ 119, 161, 206

■ 119, 161, 206

■ 98, 150, 206

■ 140, 172, 206

■ 78, 140, 206

■ 160, 182, 206

■ 57, 129, 206

■ 181, 193, 206

■ 37, 119, 206

■ 201, 204, 206

■ 16, 108, 206

■ 222, 207, 206

■ 0, 99, 206

■ 243, 208, 206

■ 255, 210, 206

■ 255, 212, 206

■ 255, 214, 206

Harmonies

Analogous

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



132, 171, 200



119, 161, 206



126, 167, 225

Triad

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



119, 161, 206



214, 175, 215



179, 209, 140

Complementary

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



119, 161, 206



206, 125, 119

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.



227, 190, 149



119, 161, 206



231, 170, 192

Square

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



119, 161, 206



185, 183, 230



236, 171, 169



144, 192, 152

Rectangle

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



119, 161, 206



143, 175, 232



236, 171, 169



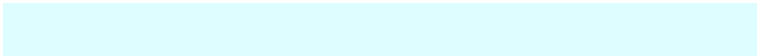
208, 216, 142

Sweetspot

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



119, 161, 206



222, 238, 255



119, 200, 206



107, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



119, 161, 206



125, 188, 255



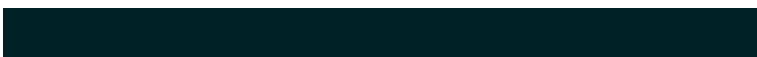
119, 145, 206



92, 97, 102



0, 80, 166



0, 18, 38

Inverse Universe

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



206, 119, 200



255, 125, 246



186, 206, 119



102, 92, 101



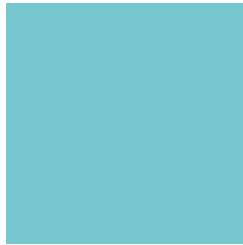
166, 0, 155



38, 0, 36

Previews

White Background



This preview shows how the RYB color 119, 161, 206 looks on a white background.

Color Contrast Check

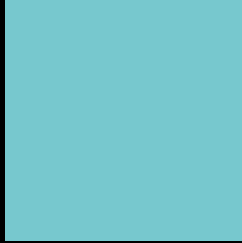
Large Text (above 18pt) WCAG AA × Fail

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 119, 161, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

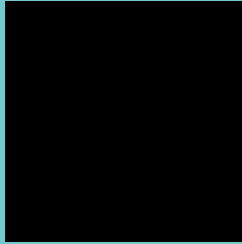
Any Text WCAG AA ✓ Pass

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 119, 161, 206 Background



This preview shows how black text looks on a background with the RYB color 119, 161, 206.

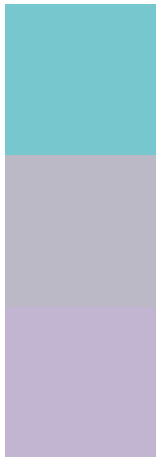


This preview shows how white text looks on a background with the RYB color 119, 161, 206.

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
119, 161, 206

Protanopia
186, 185, 197

Deuteranopia
193, 181, 210



Tritanopia
122, 164, 215

Trichromacy



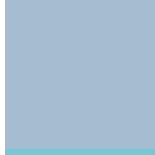
Original Color

119, 161, 206



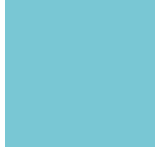
Protanomaly

162, 178, 200



Deuteranomaly

166, 181, 209



Tritanomaly

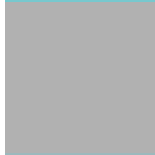
121, 163, 212

Monochromacy



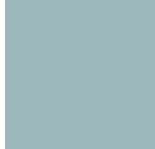
Original Color

119, 161, 206



Achromatopsia

177, 177, 177



Achromatomaly

156, 171, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 161, 206 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(119, 200, 206)` looks like.

```
.text, #text, p{  
    color:rgb(119, 200, 206)  
}
```

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(119, 200, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 200, 206) }
```

Border

The CSS property to change the border of an element to RYB 119, 161, 206 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(119, 200, 206) }
```

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

```
.border{ border-color:rgb(119, 200, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 200, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 200, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 200, 206);  
box-shadow:4px 4px 4px 4px rgb(119, 200,  
206) }
```

Background

The CSS property to change the background color of an element to RYB 119, 161, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 200, 206) }
```

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

```
.background{ background-color: rgb(119,  
200, 206) }
```

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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