

Converting Colors

`RYB(126, 177, 231)`

Have a look what the booklet for
RYB(126, 177, 231) contains.

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Color

R_YB(126, 177, 231)

Conversions

Conversions Part 1

Format	Color
Hex	7EE1E7
RGB	126, 225, 231
RGB Percent	49%, 88%, 91%
CMY	0.5059, 0.1170, 0.0941
CMYK	0.45, 0.03, 0.00, 0.09
HSL	183°, 69%, 70%
HSV	183°, 45%, 91%
XYZ	49.9983, 64.1457, 85.3475
YIQ	196.0830, -60.9300, -19.1220

Conversions

Conversions Part 2

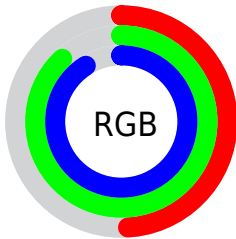
Format	Color
R _Y B	126, 177, 231
Decimal	8315367
CIE Lab	84.04, -27.59, -11.92
CIE LCh	84, 30.056, 203.365
Yxy	64.1457, 0.2506, 0.3215
Android (android.graphics.Color)	4286505447 (0xFF7EE1E7)
YUV	196.0830, 17.2141, -61.4628
Hunter-Lab	80.0910, -28.7274, -7.1175

Details

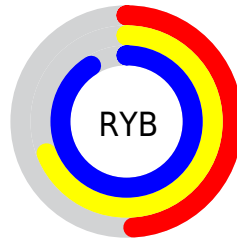
The RYB color **126, 177, 231** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **231, 132, 126**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **184, 220, 255**, and **66, 119, 175** is the 20% darker color. If you saturate the color by 10%, you get **103, 165, 231**, and if you desaturate by 10%, it is **149, 189, 231**.

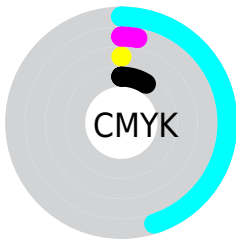
Distribution



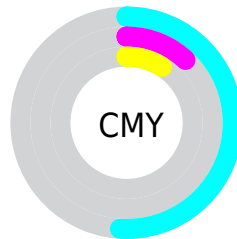
- Red (49%)
- Green (88%)
- Blue (91%)



- Red (49%)
- Yellow (69%)
- Blue (91%)



- Cyan (45%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 126, 177, 231 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 126, 177, 231 by changing the saturation by 10% instead.


 126, 177, 231


255, 255, 255


 184, 220, 255

 214, 235, 255

 244, 250, 255

 126, 177, 231


 97, 148, 203

 66, 119, 175


 28, 87, 149

 0, 60, 123

 0, 47, 98

 0, 35, 74

 0, 24, 52

 0, 14, 31

 0, 0, 4

■ 126, 177, 231

■ 126, 177, 231

■ 103, 165, 231

■ 149, 189, 231

■ 80, 153, 231

■ 172, 201, 231

■ 57, 141, 231

■ 195, 212, 231

■ 34, 130, 231

■ 218, 224, 231

■ 10, 117, 231

■ 242, 232, 231

■ 0, 112, 231

■ 255, 233, 231

■ 255, 234, 231

■ 255, 236, 231

■ 255, 239, 231

Harmonies

Analogous

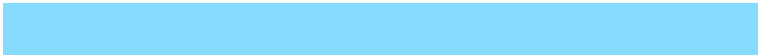
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



144, 191, 225



126, 177, 231



134, 184, 254

Triad

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



126, 177, 231



240, 195, 244



201, 236, 154

Complementary

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



126, 177, 231



231, 132, 126

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.



255, 212, 165



126, 177, 231



255, 190, 217

Square

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



126, 177, 231



206, 205, 255



255, 190, 188



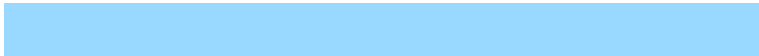
157, 215, 165

Rectangle

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



126, 177, 231



153, 192, 255



255, 190, 188



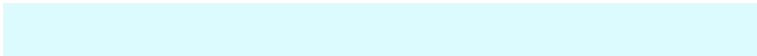
239, 245, 156

Sweetspot

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



126, 177, 231



219, 236, 255



126, 226, 231



106, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



126, 177, 231



115, 183, 255



126, 158, 231



103, 109, 115



0, 87, 179



0, 25, 51

Inverse Universe

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



231, 126, 225



255, 115, 247



211, 231, 126



115, 103, 114



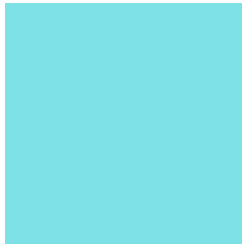
179, 0, 169



51, 0, 48

Previews

White Background



This preview shows how the RYB color 126, 177, 231 looks on a white background.

Color Contrast Check

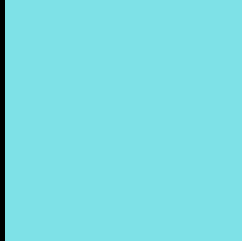
Large Text (above 18pt) WCAG AA × Fail

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 126, 177, 231 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](#).

RYP 126, 177, 231 Background



This preview shows how black text looks on a background with the RYP color 126, 177, 231.

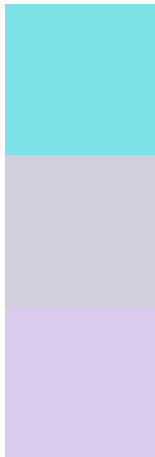


This preview shows how white text looks on a background with the RYP color 126, 177, 231.

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
126, 177, 231

Protanopia
209, 207, 220

Deuteranopia
216, 203, 236



Tritanopia
129, 181, 242

Trichromacy



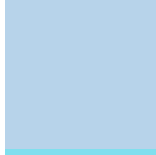
Original Color

126, 177, 231



Protanomaly

179, 199, 224



Deuteranomaly

183, 201, 234



Tritanomaly

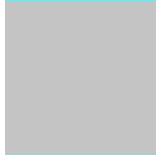
128, 179, 238

Monochromacy



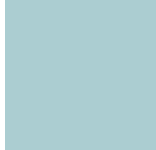
Original Color

126, 177, 231



Achromatopsia

196, 196, 196



Achromatomaly

171, 189, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 126, 177, 231 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(126, 225, 231)` looks like.

```
.text, #text, p{  
    color:rgb(126, 225, 231)  
}
```

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(126, 225, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 225, 231) }
```

Border

The CSS property to change the border of an element to RYB 126, 177, 231 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(126, 225, 231) }
```

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

```
.border{ border-color:rgb(126, 225, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 225, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 225, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 225, 231);  
box-shadow:4px 4px 4px 4px rgb(126, 225,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 126, 177, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 225, 231) }
```

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

```
.background{ background-color: rgb(126,  
225, 231) }
```

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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