

Converting Colors

`RYB(120, 177, 214)`

Have a look what the booklet for
RYB(120, 177, 214) contains.

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Color

R_YB(120, 177, 214)

Conversions

Conversions Part 1

Format	Color
Hex	78D6B5
RGB	120, 214, 181
RGB Percent	47%, 84%, 71%
CMY	0.5294, 0.1608, 0.2901
CMYK	0.44, 0.00, 0.15, 0.16
HSL	159°, 53%, 65%
HSV	159°, 44%, 84%
XYZ	40.1346, 55.4231, 52.3079
YIQ	182.1320, -45.4310, -30.1910

Conversions

Conversions Part 2

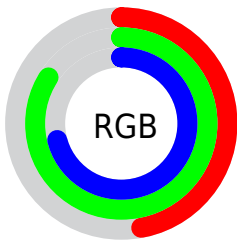
Format	Color
RYB	120, 177, 214
Decimal	7919285
CIELab	79.28, -35.59, 7.64
CIELCh	79, 36.406, 167.879
Yxy	55.4231, 0.2714, 0.3748
Android (android.graphics.Color)	4286109365 (0xFF78D6B5)
YUV	182.1320, -0.5581, -54.4898
Hunter-Lab	74.4467, -34.0515, 10.4542

Details

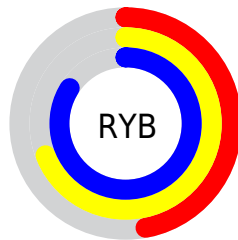
The RYB color **120, 177, 214** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **214, 120, 153**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **176, 221, 255**, and **63, 120, 159** is the 20% darker color. If you saturate the color by 10%, you get **99, 169, 214**, and if you desaturate by 10%, it is **141, 185, 214**.

Distribution



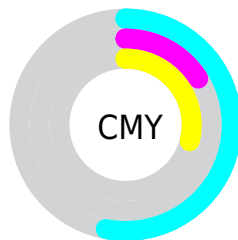
- Red (47%)
- Green (84%)
- Blue (71%)



- Red (47%)
- Yellow (69%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (15%)
- Black (16%)




- Cyan (53%)
- Magenta (16%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 177, 214 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 120, 177, 214 by changing the saturation by 10% instead.


 120, 177, 214


255, 255, 255


 176, 221, 255


 205, 230, 255

 235, 245, 255

 120, 177, 214

 92, 149, 186

 63, 120, 159

 31, 90, 132

 0, 61, 106


 0, 49, 82

 0, 36, 58

 0, 27, 37

 0, 0, 0

 120, 177, 214

 120, 177, 214

■ 99, 169, 214

■ 141, 185, 214

■ 77, 160, 214

■ 163, 194, 214

■ 56, 152, 214

■ 184, 202, 214

■ 34, 143, 214

■ 206, 211, 214

■ 13, 135, 214

■ 227, 214, 219

■ 0, 130, 214

■ 248, 214, 226

■ 255, 214, 234

■ 255, 214, 241

■ 255, 214, 249

Harmonies

Analogous

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



150, 209, 198



120, 177, 214



85, 150, 216

Triad

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



120, 177, 214



181, 191, 255



255, 190, 148

Complementary

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



120, 177, 214



214, 120, 153

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, 171, 177



120, 177, 214



226, 181, 242

Square

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



120, 177, 214



129, 176, 255



254, 172, 212



201, 232, 130

Rectangle

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



120, 177, 214



80, 152, 237



254, 172, 212



255, 180, 156

Sweetspot

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



120, 177, 214



222, 242, 255



120, 214, 180



107, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 177, 214



120, 202, 255



120, 164, 214



96, 103, 107



0, 104, 171



0, 26, 43

Inverse Universe

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



214, 120, 153



255, 120, 167



214, 135, 120



107, 96, 100



171, 0, 60



43, 0, 15

Previews

White Background



This preview shows how the RYB color 120, 177, 214 looks on a white background.

Color Contrast Check

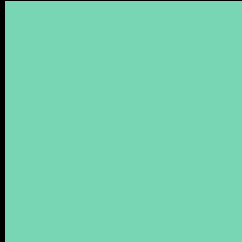
Large Text (above 18pt) WCAG AA × Fail

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 120, 177, 214 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 120, 177, 214 Background



This preview shows how black text looks on a background with the RYB color 120, 177, 214.

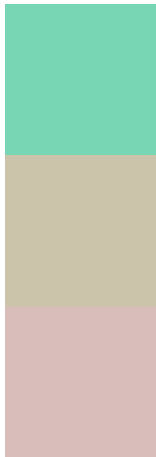


This preview shows how white text looks on a background with the RYB color 120, 177, 214.

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](#).

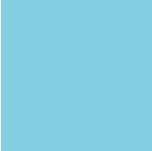
Dichromacy



Original Color
120, 177, 214

Protanopia
183, 204, 171

Deuteranopia
217, 189, 186



Tritanopia
131, 173, 225

Trichromacy



Original Color

120, 177, 214



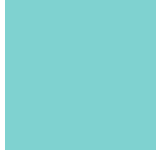
Protanomaly

173, 200, 202



Deuteranomaly

182, 196, 198



Tritanomaly

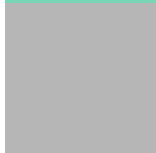
127, 169, 210

Monochromacy



Original Color

120, 177, 214



Achromatopsia

182, 182, 182



Achromatomaly

159, 180, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 177, 214 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(120, 214, 181)` looks like.

```
.text, #text, p{  
    color:rgb(120, 214, 181)  
}
```

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(120, 214, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 214, 181) }
```

Border

The CSS property to change the border of an element to RYB 120, 177, 214 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(120, 214, 181) }
```

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

```
.border{ border-color:rgb(120, 214, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 214, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 214, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 214, 181);  
box-shadow:4px 4px 4px 4px rgb(120, 214,  
181) }
```

Background

The CSS property to change the background color of an element to RYB 120, 177, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 214, 181) }
```

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

```
.background{ background-color: rgb(120,  
214, 181) }
```

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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