

Converting Colors

`RYB(120, 210, 237)`

Have a look what the booklet for
RYB(120, 210, 237) contains.

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Color

`RYB(120, 210, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	78ED9B
RGB	120, 237, 155
RGB Percent	47%, 93%, 61%
CMY	0.5294, 0.0706, 0.3918
CMYK	0.49, 0.00, 0.35, 0.07
HSL	138°, 76%, 70%
HSV	138°, 49%, 93%
XYZ	43.9547, 66.9314, 41.6568
YIQ	192.6690, -43.4100, -50.3060

Conversions

Conversions Part 2

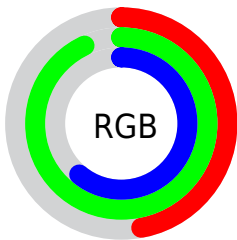
Format	Color
RYB	120, 210, 237
Decimal	7925147
CIELab	85.47, -50.71, 29.76
CIELCh	85, 58.796, 149.596
Yxy	66.9314, 0.2881, 0.4388
Android (android.graphics.Color)	4286115227 (0xFF78ED9B)
YUV	192.6690, -18.5708, -63.7307
Hunter-Lab	81.8116, -47.2680, 27.0789

Details

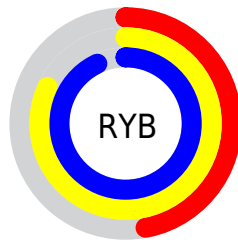
The RYB color **120, 210, 237** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **237, 120, 202**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **178, 232, 255**, and **59, 148, 180** is the 20% darker color. If you saturate the color by 10%, you get **96, 204, 237**, and if you desaturate by 10%, it is **144, 215, 237**.

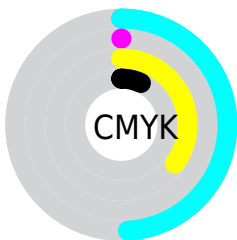
Distribution



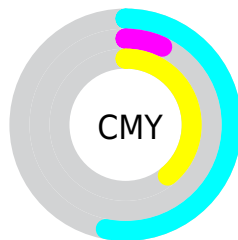
- Red (47%)
- Green (93%)
- Blue (61%)



- Red (47%)
- Yellow (82%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (35%)
- Black (7%)



- Cyan (53%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 210, 237 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, 210, 237 by changing the saturation by 10% instead.

 120, 210, 237


255, 255, 255

 178, 232, 255


 208, 236, 255

 238, 247, 255

 120, 210, 237

 90, 179, 208

 59, 148, 180

 16, 110, 153

 0, 88, 126

 0, 76, 100

 0, 69, 75

 0, 51, 51

 0, 28, 28


 0, 0, 0

 120, 210, 237


 120, 210, 237

 96, 204, 237


 144, 215, 237

 73, 199, 237

 167, 221, 237

 49, 194, 237

 191, 226, 237

 25, 188, 237

 215, 232, 237

 2, 183, 237

 238, 237, 238

 0, 182, 237

 255, 237, 255

Harmonies

Analogous

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



113, 227, 149



120, 210, 237



0, 129, 242

Triad

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



120, 210, 237



111, 173, 255



255, 173, 162

Complementary

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



120, 210, 237



237, 120, 202

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, 167, 217



120, 210, 237



216, 199, 255

Square

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



120, 210, 237



0, 122, 255



255, 178, 255



242, 255, 118

Rectangle

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



120, 210, 237



0, 123, 249



255, 178, 255



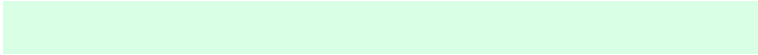
255, 169, 179

Sweetspot

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



120, 210, 237



217, 246, 255



120, 237, 155



105, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 210, 237



105, 220, 255



120, 185, 237



106, 115, 117



0, 139, 181



0, 42, 54

Inverse Universe

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



237, 120, 202



255, 105, 210



237, 120, 143



117, 106, 114



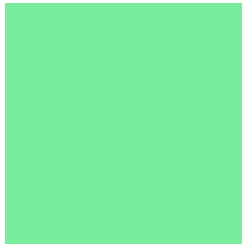
181, 0, 127



54, 0, 37

Previews

White Background



This preview shows how the RYB color 120, 210, 237 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, 210, 237 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, 210, 237 Background



This preview shows how black text looks on a background with the RYB color 120, 210, 237.

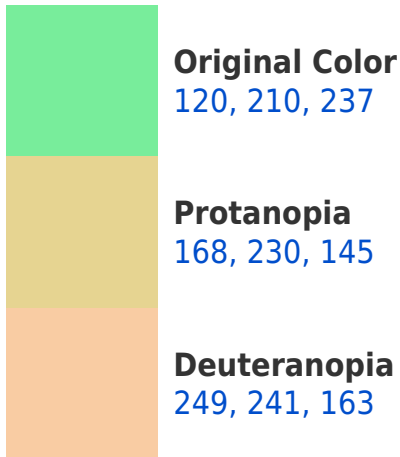


This preview shows how white text looks on a background with the RYB color 120, 210, 237.

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
142, 188, 244

Trichromacy



Original Color

120, 210, 237



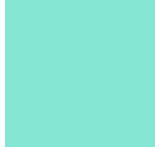
Protanomaly

149, 221, 180



Deuteranomaly

160, 216, 174



Tritanomaly

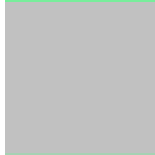
134, 187, 230

Monochromacy



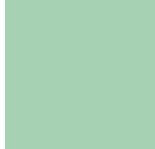
Original Color

120, 210, 237



Achromatopsia

193, 193, 193



Achromatomaly

166, 199, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 210, 237 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, 237, 155)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 155)  
}
```

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, 237, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 155) }
```

Border

The CSS property to change the border of an element to RYB 120, 210, 237 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, 237, 155) }
```

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

```
.border{ border-color:rgb(120, 237, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 237, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 237, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 237, 155);  
box-shadow:4px 4px 4px 4px rgb(120, 237,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 120, 210, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 155) }
```

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

```
.background{ background-color: rgb(120,  
237, 155) }
```

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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