

Converting Colors

`RYB(120, 233, 240)`

Have a look what the booklet for
RYB(120, 233, 240) contains.

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Color

R_YB(120, 233, 240)

Conversions

Conversions Part 1

Format	Color
Hex	78F07F
RGB	120, 240, 127
RGB Percent	47%, 94%, 50%
CMY	0.5294, 0.0588, 0.5003
CMYK	0.50, 0.00, 0.47, 0.06
HSL	124°, 80%, 71%
HSV	124°, 50%, 94%
XYZ	42.7649, 67.8569, 31.0709
YIQ	191.2380, -35.2470, -60.5830

Conversions

Conversions Part 2

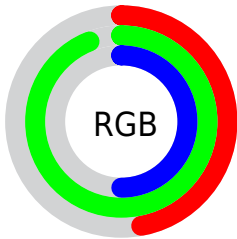
Format	Color
RYB	120, 233, 240
Decimal	7925887
CIELab	85.93, -56.24, 44.08
CIElCh	86, 71.453, 141.912
Yxy	67.8569, 0.3018, 0.4789
Android (android.graphics.Color)	4286115967 (0xFF78F07F)
YUV	191.2380, -31.6693, -62.4757
Hunter-Lab	82.3753, -51.4890, 35.2993

Details

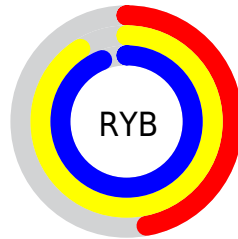
The RYB color **120, 233, 240** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **240, 120, 233**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **179, 253, 255**, and **57, 167, 183** is the 20% darker color. If you saturate the color by 10%, you get **96, 232, 240**, and if you desaturate by 10%, it is **144, 234, 240**.

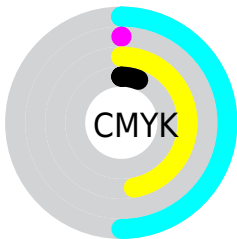
Distribution



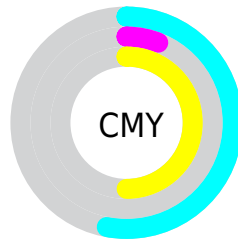
- Red (47%)
- Green (94%)
- Blue (50%)



- Red (47%)
- Yellow (91%)
- Blue (94%)



- Cyan (50%)
- Magenta (0%)
- Yellow (47%)
- Black (6%)



- Cyan (53%)
- Magenta (6%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 233, 240 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, 233, 240 by changing the saturation by 10% instead.

 120, 233, 240

255, 255, 255

 179, 252, 255

 209, 254, 255

 239, 255, 255

 120, 233, 240

 90, 201, 211

 57, 167, 183

 6, 121, 155

 0, 109, 129

 0, 102, 102

 0, 77, 77

 0, 53, 53

 0, 29, 29

 0, 0, 0

 120, 233, 240

 120, 233, 240

 96, 232, 240

 144, 234, 240

 72, 231, 240

 168, 236, 240

 48, 229, 240

 192, 237, 240

 24, 228, 240

 216, 239, 240

 0, 226, 240

 240, 240, 240

 255, 240, 255

Harmonies

Analogous

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



80, 226, 103



120, 233, 240



0, 138, 247

Triad

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



120, 233, 240



0, 120, 255



255, 157, 168

Complementary

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



120, 233, 240



240, 120, 233

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, 156, 236



120, 233, 240



186, 201, 255

Square

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



120, 233, 240



0, 124, 255



255, 176, 255



255, 242, 110

Rectangle

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



120, 233, 240



0, 126, 248



255, 176, 255



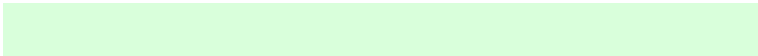
255, 154, 190

Sweetspot

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



120, 233, 240



217, 253, 255



120, 240, 126



105, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 233, 240



102, 247, 255



120, 197, 240



108, 119, 120



0, 174, 184



0, 53, 56

Inverse Universe

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



240, 120, 233



255, 102, 246



240, 120, 174



120, 108, 119



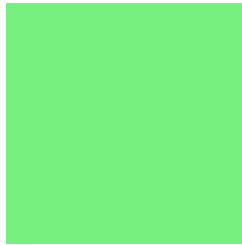
184, 0, 172



56, 0, 53

Previews

White Background



This preview shows how the RYB color 120, 233, 240 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, 233, 240 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, 233, 240 Background



This preview shows how black text looks on a background with the RYB color 120, 233, 240.



This preview shows how white text looks on a background with the RYB color 120, 233, 240.

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, 233, 240

Protanopia
144, 235, 118

Deuteranopia
235, 255, 142



Tritanopia
146, 191, 245

Trichromacy



Original Color

120, 233, 240



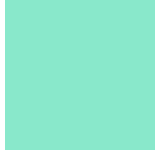
Protanomaly

121, 223, 151



Deuteranomaly

137, 217, 148



Tritanomaly

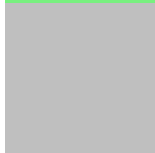
137, 193, 232

Monochromacy



Original Color

120, 233, 240



Achromatopsia

191, 191, 191



Achromatomaly

165, 206, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 233, 240 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, 240, 127)` looks like.

```
.text, #text, p{  
    color:rgb(120, 240, 127)  
}
```

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, 240, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 240, 127) }
```

Border

The CSS property to change the border of an element to RYB 120, 233, 240 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, 240, 127) }
```

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

```
.border{ border-color:rgb(120, 240, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 240, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 240, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 240, 127);  
box-shadow:4px 4px 4px 4px rgb(120, 240,  
127) }
```

Background

The CSS property to change the background color of an element to RYB 120, 233, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 240, 127) }
```

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

```
.background{ background-color: rgb(120,  
240, 127) }
```

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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