

Converting Colors

`RYB(120, 246, 249)`

Have a look what the booklet for
RYB(120, 246, 249) contains.

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Color

R_YB(120, 246, 249)

Conversions

Conversions Part 1

Format	Color
Hex	78F97B
RGB	120, 249, 123
RGB Percent	47%, 98%, 48%
CMY	0.5294, 0.0235, 0.5174
CMYK	0.52, 0.00, 0.51, 0.02
HSL	121°, 91%, 72%
HSV	121°, 52%, 98%
XYZ	45.2010, 73.1763, 30.5044
YIQ	196.0650, -36.4380, -66.5340

Conversions

Conversions Part 2

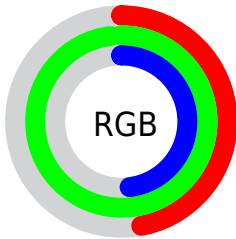
Format	Color
RYB	120, 246, 249
Decimal	7928187
CIELab	88.53, -60.29, 49.36
CIELCh	89, 77.919, 140.693
Yxy	73.1763, 0.3036, 0.4915
Android (android.graphics.Color)	4286118267 (0xFF78F97B)
YUV	196.0650, -36.0210, -66.7090
Hunter-Lab	85.5431, -55.3810, 38.7376

Details

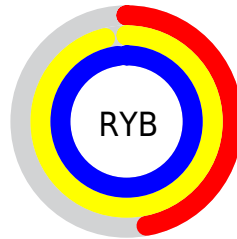
The RYB color **120, 246, 249** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **249, 120, 246**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **178, 255, 253**, and **54, 177, 191** is the 20% darker color. If you saturate the color by 10%, you get **95, 245, 249**, and if you desaturate by 10%, it is **145, 247, 249**.

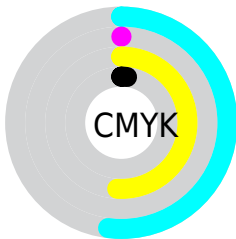
Distribution



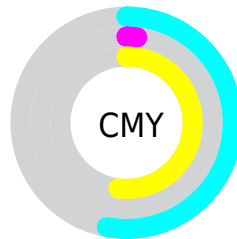
- Red (47%)
- Green (98%)
- Blue (48%)



- Red (47%)
- Yellow (96%)
- Blue (98%)



- Cyan (52%)
- Magenta (0%)
- Yellow (51%)
- Black (2%)



- Cyan (53%)
- Magenta (2%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 246, 249 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, 246, 249 by changing the saturation by 10% instead.

 120, 246, 249

255, 255, 255


 178, 255, 253

 206, 255, 251

 235, 255, 250


 120, 246, 249


 89, 212, 220

 54, 177, 191


 0, 129, 164

 0, 126, 136

 0, 110, 110

 0, 84, 84

 0, 60, 60

 0, 36, 36

 0, 0, 0

 120, 246, 249

 120, 246, 249

 95, 245, 249

 145, 247, 249

 70, 245, 249

 170, 247, 249

 45, 244, 249

 195, 248, 249

 20, 243, 249

 220, 249, 249

 0, 243, 249

 244, 248, 249

 255, 249, 255

Harmonies

Analogous

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



70, 234, 92



120, 246, 249



0, 144, 255

Triad

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



120, 246, 249



0, 123, 255



255, 157, 174

Complementary

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



120, 246, 249



249, 120, 246

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, 249



120, 246, 249



182, 203, 255

Square

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



120, 246, 249



0, 127, 255



255, 180, 255



255, 251, 109

Rectangle

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



120, 246, 249



0, 129, 255



255, 180, 255



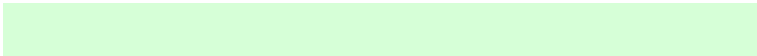
255, 153, 199

Sweetspot

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



120, 246, 249



214, 254, 255



120, 249, 122



103, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 246, 249



97, 251, 255



120, 205, 249



112, 124, 125



0, 185, 189



0, 60, 61

Inverse Universe

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



249, 120, 246



255, 97, 251



249, 120, 182



125, 112, 125



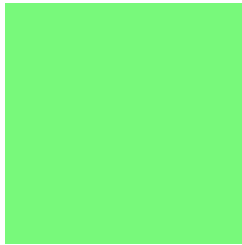
189, 0, 184



61, 0, 60

Previews

White Background



This preview shows how the RYB color 120, 246, 249 looks on a white background.

Color Contrast Check

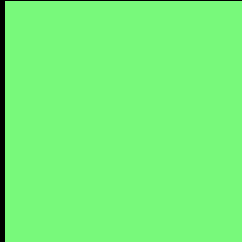
Large Text (above 18pt) WCAG AA × Fail

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, 246, 249 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, 246, 249 Background



This preview shows how black text looks on a background with the RYB color 120, 246, 249.

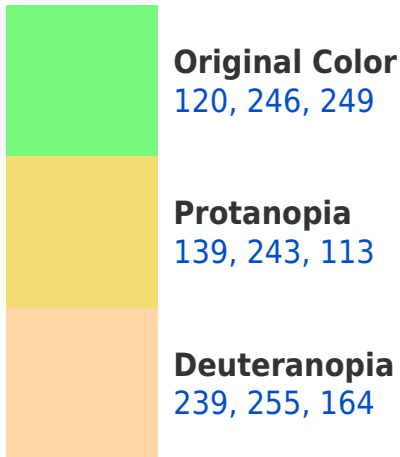



This preview shows how white text looks on a background with the RYB color 120, 246, 249.

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





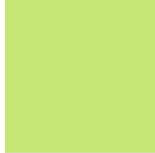
Tritanopia
149, 196, 254

Trichromacy



Original Color

120, 246, 249



Protanomaly

117, 231, 150



Deuteranomaly

149, 227, 170



Tritanomaly

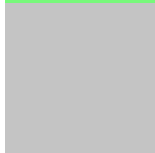
138, 199, 240

Monochromacy



Original Color

120, 246, 249



Achromatopsia

196, 196, 196



Achromatomaly

168, 214, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 246, 249 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, 249, 123)` looks like.

```
.text, #text, p{  
    color:rgb(120, 249, 123)  
}
```

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, 249, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 249, 123) }
```

Border

The CSS property to change the border of an element to RYB 120, 246, 249 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, 249, 123) }
```

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

```
.border{ border-color:rgb(120, 249, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 249, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 249, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 249, 123);  
box-shadow:4px 4px 4px 4px rgb(120, 249,  
123) }
```

Background

The CSS property to change the background color of an element to RYB 120, 246, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 249, 123) }
```

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

```
.background{ background-color: rgb(120,  
249, 123) }
```

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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