

Converting Colors

`RYB(127, 186, 247)`

Have a look what the booklet for
RYB(127, 186, 247) contains.

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Color

R_YB(127, 186, 247)

Conversions

Conversions Part 1

Format	Color
Hex	7FF3F7
RGB	127, 243, 247
RGB Percent	50%, 95%, 97%
CMY	0.5020, 0.0468, 0.0314
CMYK	0.49, 0.02, 0.00, 0.03
HSL	182°, 88%, 73%
HSV	182°, 49%, 97%
XYZ	57.6111, 75.3679, 99.5067
YIQ	208.7720, -70.4200, -23.3480

Conversions

Conversions Part 2

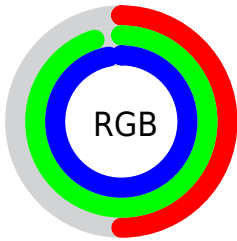
Format	Color
RYB	127, 186, 247
Decimal	8385527
CIELab	89.57, -31.87, -12.08
CIElCh	90, 34.085, 200.752
Yxy	75.3679, 0.2478, 0.3242
Android (android.graphics.Color)	4286575607 (0xFF7FF3F7)
YUV	208.7720, 18.8464, -71.7140
Hunter-Lab	86.8147, -33.4712, -7.1878

Details

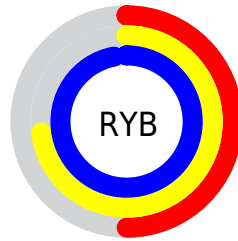
The RYB color **127, 186, 247** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **247, 131, 127**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **187, 221, 255**, and **63, 126, 191** is the 20% darker color. If you saturate the color by 10%, you get **102, 173, 247**, and if you desaturate by 10%, it is **152, 199, 247**.

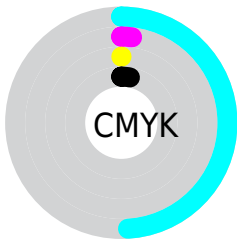
Distribution



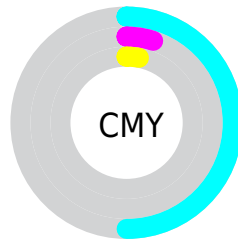
- Red (50%)
- Green (95%)
- Blue (97%)



- Red (50%)
- Yellow (73%)
- Blue (97%)



- Cyan (49%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (50%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 186, 247 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 127, 186, 247 by changing the saturation by 10% instead.

 127, 186, 247


255, 255, 255


 187, 221, 255

 217, 236, 255

 247, 251, 255

 127, 186, 247

 96, 156, 219

 63, 126, 191

 14, 88, 164

 0, 67, 137

 0, 55, 112

 0, 42, 88

 0, 31, 64

 0, 20, 42

 0, 1, 23

127, 186, 247

127, 186, 247

102, 173, 247

152, 199, 247

78, 161, 247

176, 211, 247

53, 148, 247

201, 223, 247

28, 136, 247

226, 236, 247

3, 123, 247

251, 247, 247

0, 121, 247

255, 248, 247

255, 250, 247

255, 252, 247

Harmonies

Analogous

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



152, 206, 243



127, 186, 247



133, 190, 255

Triad

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



127, 186, 247



255, 209, 255



217, 255, 161

Complementary

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



127, 186, 247



247, 131, 127

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, 233, 176



127, 186, 247



255, 202, 237

Square

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



127, 186, 247



216, 220, 255



255, 202, 204



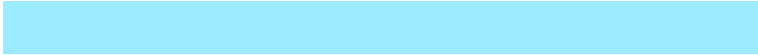
164, 230, 169

Rectangle

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



127, 186, 247



155, 199, 255



255, 202, 204



232, 255, 164

Sweetspot

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



127, 186, 247



217, 236, 255



127, 245, 247



105, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



127, 186, 247



107, 180, 255



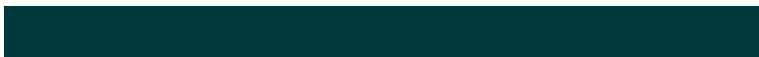
127, 166, 247



110, 116, 122



0, 91, 186



0, 29, 59

Inverse Universe

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



247, 127, 243



255, 107, 250



239, 247, 127



122, 110, 122



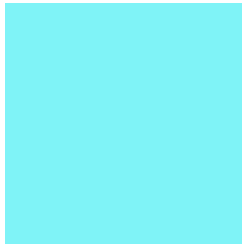
186, 0, 180



59, 0, 57

Previews

White Background



This preview shows how the RYB color 127, 186, 247 looks on a white background.

Color Contrast Check

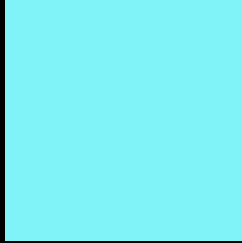
Large Text (above 18pt) WCAG AA × Fail

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 127, 186, 247 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 127, 186, 247 Background



This preview shows how black text looks on a background with the RYB color 127, 186, 247.

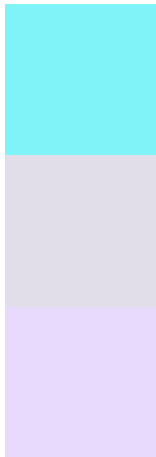


This preview shows how white text looks on a background with the RYB color 127, 186, 247.

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](#).

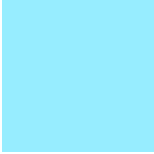
Dichromacy



Original Color
127, 186, 247

Protanopia
225, 222, 234

Deuteranopia
232, 218, 252



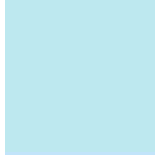
Tritanopia
151, 198, 255

Trichromacy



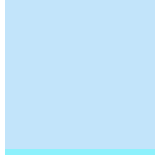
Original Color

127, 186, 247



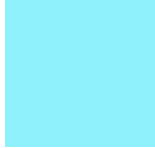
Protanomaly

189, 212, 239



Deuteranomaly

194, 215, 250



Tritanomaly

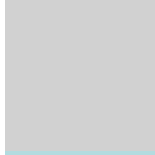
142, 194, 252

Monochromacy



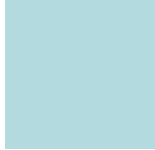
Original Color

127, 186, 247



Achromatopsia

209, 209, 209



Achromatomaly

179, 200, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 186, 247 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(127, 243, 247)` looks like.

```
.text, #text, p{  
    color:rgb(127, 243, 247)  
}
```

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(127, 243, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 243, 247) }
```

Border

The CSS property to change the border of an element to RYB 127, 186, 247 is called "border". The border property can be set on classes, ids or directly on the HTML element.

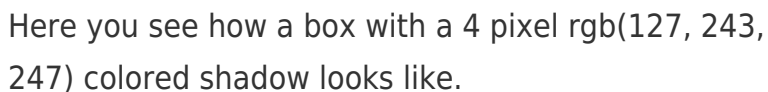
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 243, 247) }
```

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

```
.border{ border-color:rgb(127, 243, 247) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 243, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 243, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 243, 247); box-shadow:4px 4px 4px 4px rgb(127, 243, 247) }
```

Background

The CSS property to change the background color of an element to RYB 127, 186, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 243, 247) }
```

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

```
.background{ background-color: rgb(127,  
243, 247) }
```

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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