

Converting Colors

RGB(87, 255, 203)

Have a look what the booklet for
RGB(87, 255, 203) contains.

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Color

RGB(87, 255, 203)

Conversions

Conversions Part 1

Format	Color
Hex	57FFCB
RGB	87, 255, 203
RGB Percent	34%, 100%, 80%
CMY	0.6588, 0.0000, 0.2039
CMYK	0.66, 0.00, 0.20, 0.00
HSL	161°, 100%, 67%
HSV	161°, 66%, 100%
XYZ	50.4700, 77.8580, 68.8680
YIQ	198.8400, -83.4360, -51.7880

Conversions

Conversions Part 2

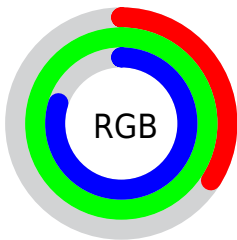
Format	Color
RYB	87, 186, 255
Decimal	5767115
CIELab	90.72, -55.09, 12.31
CIELCh	91, 56.450, 167.401
Yxy	77.8580, 0.2559, 0.3948
Android (android.graphics.Color)	4283957195 (0xFF57FFCB)
YUV	198.8400, 2.0509, -98.0837
Hunter-Lab	88.2372, -52.3165, 15.4910

Details

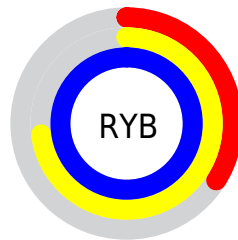
The RGB color **87, 255, 203** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **255, 87, 139**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **153, 255, 255**, and **0, 197, 149** is the 20% darker color. If you saturate the color by 10%, you get **62, 255, 195**, and if you desaturate by 10%, it is **113, 255, 211**.

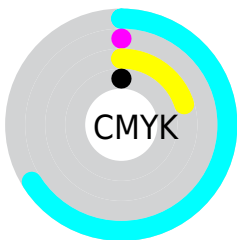
Distribution



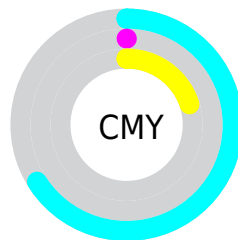
- Red (34%)
- Green (100%)
- Blue (80%)



- Red (34%)
- Yellow (73%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



















- Cyan (66%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 255, 203 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 RGB color 87, 255, 203 by changing the saturation by 10% instead.

 87, 255, 203	 87, 255, 203
 255, 255, 255	 45, 226, 176
 153, 255, 255	 0, 197, 149
 185, 255, 255	 0, 169, 123
 216, 255, 255	 0, 142, 98
 247, 255, 255	 0, 115, 74
	 0, 90, 51
	 0, 65, 30
	 0, 42, 7
	 0, 5, 0

■ 87, 255, 203

■ 87, 255, 203

■ 62, 255, 195

■ 113, 255, 211

■ 36, 255, 187

■ 138, 255, 219

■ 11, 255, 179

■ 164, 255, 227

■ 0, 255, 176

■ 189, 255, 235

■ 215, 255, 242

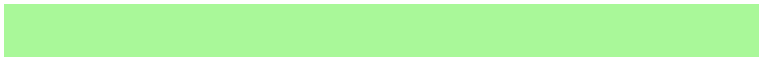
■ 240, 255, 250

255, 255, 255

Harmonies

Analogous

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



169, 248, 153



87, 255, 203



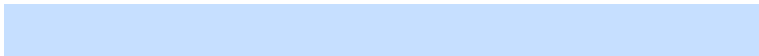
0, 255, 255

Triad

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



87, 255, 203



198, 223, 255



255, 198, 151

Complementary

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



87, 255, 203



255, 87, 139

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, 185, 199



87, 255, 203



255, 202, 255

Square

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



87, 255, 203



83, 241, 255



255, 187, 254



255, 217, 122

Rectangle

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



87, 255, 203



0, 254, 255



255, 187, 254



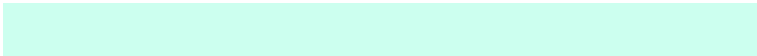
255, 193, 165

Sweetspot

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



87, 255, 203



204, 255, 239



140, 255, 87



97, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



87, 255, 203



54, 255, 193



87, 224, 255



115, 128, 124



0, 191, 132



0, 64, 44

Inverse Universe

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



255, 87, 139



255, 54, 116



255, 118, 87



128, 115, 119



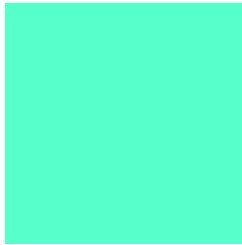
191, 0, 59



64, 0, 20

Previews

White Background



This preview shows how the RGB color 87, 255, 203 looks on a white background.

Color Contrast Check

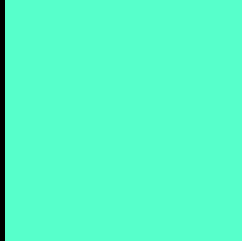
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 87, 255, 203 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

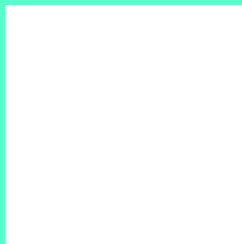
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 87, 255, 203 Background



This preview shows how black text looks on a background with the RGB color 87, 255, 203.

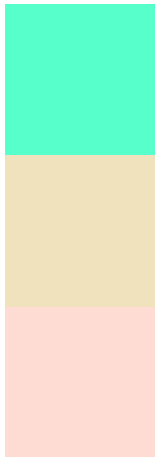


This preview shows how white text looks on a background with the RGB color 87, 255, 203.

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
87, 255, 203

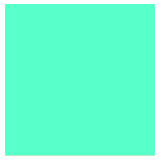
Protanopia
239, 226, 188

Deuteranopia
254, 219, 211

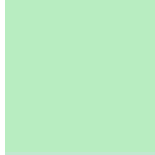


Tritanopia
158, 241, 255

Trichromacy



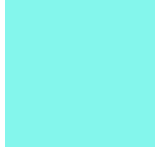
Original Color
87, 255, 203



Protanomaly
184, 237, 193



Deuteranomaly
193, 232, 208



Tritanomaly
132, 246, 236

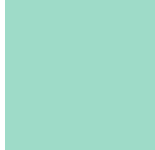
Monochromacy



Original Color
87, 255, 203



Achromatopsia
199, 199, 199



Achromatomaly
158, 219, 200

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 255, 203 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(87, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 203)  
}
```

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(87, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 203) }
```

Border

The CSS property to change the border of an element to RGB 87, 255, 203 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(87, 255, 203) }
```

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

```
.border{ border-color:rgb(87, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
203) }
```

Background

The CSS property to change the background color of an element to RGB 87, 255, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 203) }
```

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

```
.background{ background-color: rgb(87, 255,  
203) }
```

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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