

Converting Colors

RGB(87, 255, 216)

Have a look what the booklet for
RGB(87, 255, 216) contains.

RGB(87, 255, 216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(87, 255, 216)

Conversions

Conversions Part 1

Format	Color
Hex	57FFD8
RGB	87, 255, 216
RGB Percent	34%, 100%, 85%
CMY	0.6588, 0.0000, 0.1529
CMYK	0.66, 0.00, 0.15, 0.00
HSL	166°, 100%, 67%
HSV	166°, 66%, 100%
XYZ	52.0851, 78.5041, 77.3734
YIQ	200.3220, -87.6090, -47.7450

Conversions

Conversions Part 2

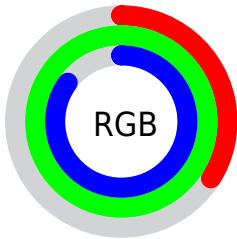
Format	Color
RYB	87, 182, 255
Decimal	5767128
CIELab	91.01, -52.09, 6.03
CIELCh	91, 52.433, 173.401
Yxy	78.5041, 0.2505, 0.3775
Android (android.graphics.Color)	4283957208 (0xFF57FFD8)
YUV	200.3220, 7.7293, -99.3834
Hunter-Lab	88.6025, -50.1229, 10.2460

Details

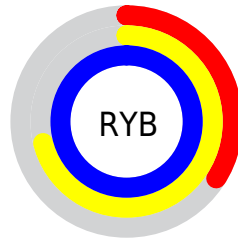
The RGB color **87, 255, 216** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **255, 87, 126**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **154, 255, 255**, and **0, 197, 161** is the 20% darker color. If you saturate the color by 10%, you get **62, 255, 210**, and if you desaturate by 10%, it is **113, 255, 222**.

Distribution



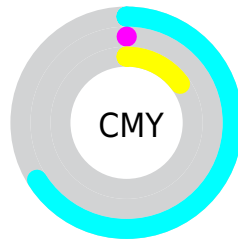
- Red (34%)
- Green (100%)
- Blue (85%)



- Red (34%)
- Yellow (71%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



















- Cyan (66%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 255, 216 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, 216 by changing the saturation by 10% instead.

 87, 255, 216	 87, 255, 216
 255, 255, 255	 44, 226, 188
 154, 255, 255	 0, 197, 161
 185, 255, 255	 0, 169, 135
 216, 255, 255	 0, 142, 110
 248, 255, 255	 0, 116, 85
	 0, 90, 62
	 0, 65, 40
	 0, 43, 20
	 0, 7, 0

■ 87, 255, 216

■ 87, 255, 216

■ 62, 255, 210

■ 113, 255, 222

■ 36, 255, 204

■ 138, 255, 228

■ 11, 255, 198

■ 164, 255, 234

■ 0, 255, 196

■ 189, 255, 240

■ 215, 255, 246

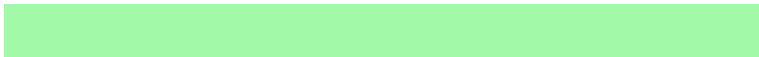
■ 240, 255, 252

255, 255, 255

Harmonies

Analogous

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



162, 249, 167



87, 255, 216



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, 216



218, 220, 255



255, 205, 150

Complementary

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



87, 255, 216



255, 87, 126

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, 191, 192



87, 255, 216



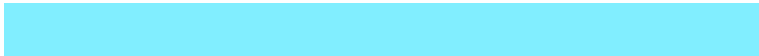
255, 202, 255

Square

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



87, 255, 216



129, 238, 255



255, 190, 242



255, 222, 128

Rectangle

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



87, 255, 216



0, 252, 255



255, 190, 242



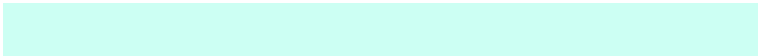
255, 199, 162

Sweetspot

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



87, 255, 216



204, 255, 243



126, 255, 87



97, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



87, 255, 216



54, 255, 208



87, 210, 255



115, 128, 125



0, 191, 147



0, 64, 49

Inverse Universe

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



255, 87, 126



255, 54, 100



255, 132, 87



128, 115, 118



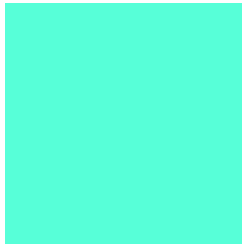
191, 0, 44



64, 0, 15

Previews

White Background



This preview shows how the RGB color 87, 255, 216 looks on a white background.

Color Contrast Check

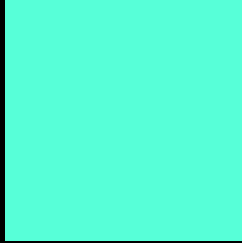
Large Text (above 18pt) WCAG AA × Fail

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, 216 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, 216 Background



This preview shows how black text looks on a background with the RGB color 87, 255, 216.

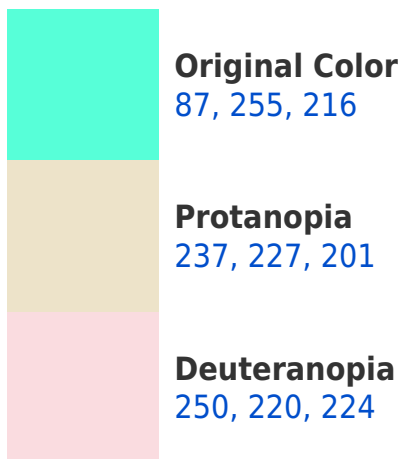


This preview shows how white text looks on a background with the RGB color 87, 255, 216.

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





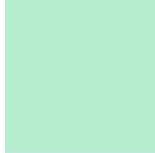
Tritanopia
161, 241, 255

Trichromacy



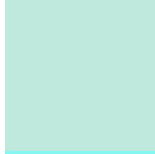
Original Color

87, 255, 216



Protanomaly

182, 237, 206



Deuteranomaly

191, 233, 221



Tritanomaly

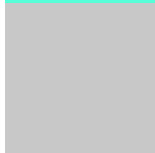
134, 246, 241

Monochromacy



Original Color

87, 255, 216



Achromatopsia

200, 200, 200



Achromatomaly

159, 220, 206

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 255, 216 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 216) }
```

Border

The CSS property to change the border of an element to RGB 87, 255, 216 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, 216) }
```

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

```
.border{ border-color:rgb(87, 255, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 87, 255, 216 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, 216) }
```

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

```
.background{ background-color: rgb(87, 255,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor