

Converting Colors

R_YB(5, 167, 248)

Have a look what the booklet for
RYB(5, 167, 248) contains.

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Color

R_{YB}(5, 167, 248)

Conversions

Conversions Part 1

Format	Color
Hex	05F87F
RGB	5, 248, 127
RGB Percent	2%, 97%, 50%
CMY	0.9804, 0.0275, 0.5039
CMYK	0.98, 0.00, 0.49, 0.03
HSL	150°, 96%, 50%
HSV	150°, 98%, 97%
XYZ	37.4282, 68.6864, 31.1934
YIQ	161.5490, -105.9870, -89.1470

Conversions

Conversions Part 2

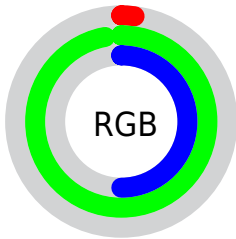
Format	Color
RYB	5, 167, 248
Decimal	391295
CIELab	86.35, -74.67, 44.62
CIELCh	86, 86.986, 149.141
Yxy	68.6864, 0.2726, 0.5002
Android (android.graphics.Color)	4278581375 (0xFF05F87F)
YUV	161.5490, -17.0327, -137.2935
Hunter-Lab	82.8772, -64.4227, 35.6985

Details

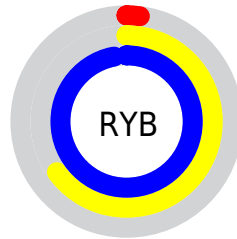
The RYB color **5, 167, 248** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **248, 5, 127**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **115, 210, 255**, and **0, 136, 190** is the 20% darker color. If you saturate the color by 10%, you get **0, 165, 248**, and if you desaturate by 10%, it is **30, 175, 248**.

Distribution



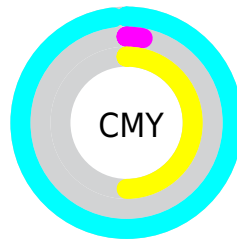
- Red (2%)
- Green (97%)
- Blue (50%)



- Red (2%)
- Yellow (65%)
- Blue (97%)



- Cyan (98%)
- Magenta (0%)
- Yellow (49%)
- Black (3%)




















- Cyan (98%)
- Magenta (3%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 5, 167, 248 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 5, 167, 248 by changing the saturation by 10% instead.

 5, 167, 248	 5, 167, 248
 255, 255, 255	 0, 150, 219
 115, 210, 255	 0, 137, 190
 149, 217, 255	 0, 124, 162
 182, 223, 255	 0, 117, 134
 214, 235, 255	 0, 107, 107
 246, 251, 255	 0, 81, 81
	 0, 57, 57
	 0, 30, 30
	 0, 0, 0

■ 5, 167, 248

■ 5, 167, 248

■ 0, 165, 248

■ 30, 175, 248

■ 55, 184, 248

■ 79, 191, 248

■ 104, 200, 248

■ 129, 208, 248

■ 154, 217, 248

■ 179, 225, 248

■ 203, 233, 248

■ 228, 241, 248

Harmonies

Analogous

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



51, 235, 109



5, 167, 248



0, 139, 254

Triad

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



5, 167, 248



0, 120, 255



255, 145, 141

Complementary

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



5, 167, 248



248, 5, 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, 133, 222



5, 167, 248



209, 195, 255

Square

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



5, 167, 248



0, 125, 255



255, 157, 255



198, 255, 69

Rectangle

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



5, 167, 248



0, 128, 255



255, 157, 255



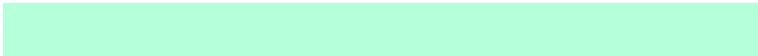
255, 137, 167

Sweetspot

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



5, 167, 248



181, 230, 255



5, 248, 126



83, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



5, 167, 248



0, 170, 255



5, 127, 248



112, 120, 125



0, 126, 189



0, 40, 61

Inverse Universe

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



248, 5, 127



255, 0, 128



248, 5, 5



125, 112, 119



189, 0, 94



61, 0, 31

Previews

White Background



This preview shows how the RYB color 5, 167, 248 looks on a white background.

Color Contrast Check

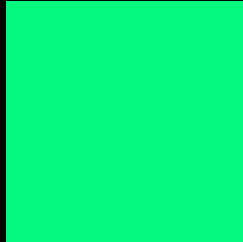
Large Text (above 18pt) WCAG AA × Fail

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 5, 167, 248 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 5, 167, 248 Background



This preview shows how black text looks on a background with the RYB color 5, 167, 248.

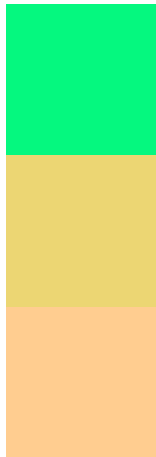


This preview shows how white text looks on a background with the RYB color 5, 167, 248.

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
5, 167, 248

Protanopia
142, 236, 115

Deuteranopia
235, 255, 144



Tritanopia
95, 169, 253

Trichromacy



Original Color

5, 167, 248



Protanomaly

119, 226, 193



Deuteranomaly

138, 221, 195



Tritanomaly

62, 159, 239

Monochromacy



Original Color

5, 167, 248



Achromatopsia

161, 161, 161



Achromatomaly

104, 164, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 5, 167, 248 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(5, 248, 127)` looks like.

```
.text, #text, p{  
    color:rgb(5, 248, 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(5, 248, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 248, 127) }
```

Border

The CSS property to change the border of an element to RYB 5, 167, 248 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(5, 248, 127) }
```

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

```
.border{ border-color:rgb(5, 248, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 248, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 248, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 248, 127);  
box-shadow:4px 4px 4px 4px rgb(5, 248,  
127) }
```

Background

The CSS property to change the background color of an element to RGB 5, 167, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 248, 127) }
```

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

```
.background{ background-color: rgb(5, 248,  
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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