

Converting Colors

`RYB(107, 255, 225)`

Have a look what the booklet for
RYB(107, 255, 225) contains.

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Color

R_YB(107, 255, 225)

Conversions

Conversions Part 1

Format	Color
Hex	89FF6B
RGB	137, 255, 107
RGB Percent	54%, 100%, 42%
CMY	0.4627, 0.0000, 0.5804
CMYK	0.46, 0.00, 0.58, 0.00
HSL	108°, 100%, 71%
HSV	108°, 58%, 100%
XYZ	48.7304, 77.8999, 26.3777
YIQ	202.8460, -22.8200, -71.0440

Conversions

Conversions Part 2

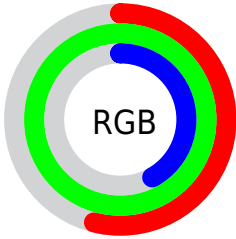
Format	Color
RYB	107, 255, 225
Decimal	9043819
CIE Lab	90.73, -59.88, 59.35
CIE LCh	91, 84.307, 135.256
Yxy	77.8999, 0.3185, 0.5091
Android (android.graphics.Color)	4287233899 (0xFF89FF6B)
YUV	202.8460, -47.2521, -57.7469
Hunter-Lab	88.2609, -55.9037, 44.0632

Details

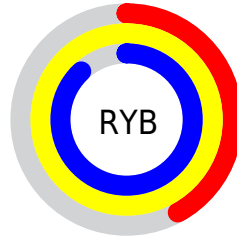
The RYB color **107, 255, 225** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **225, 107, 255**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **162, 255, 220**, and **51, 197, 173** is the 20% darker color. If you saturate the color by 10%, you get **82, 255, 220**, and if you desaturate by 10%, it is **133, 255, 231**.

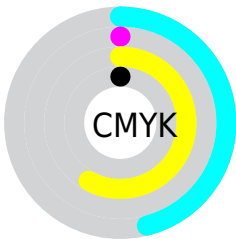
Distribution



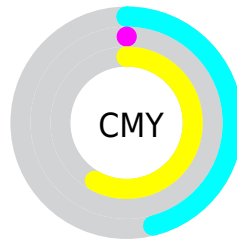
- Red (54%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (88%)



- Cyan (46%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)



- Cyan (46%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 255, 225 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 107, 255, 225 by changing the saturation by 10% instead.

 107, 255, 225

255, 255, 255

 162, 255, 220


 191, 255, 219


 219, 255, 219

 249, 255, 249


 107, 255, 225


 80, 226, 199

 51, 197, 173

 16, 169, 148

 0, 142, 142

 0, 116, 116

 0, 90, 90

 0, 65, 65

 0, 42, 42

 0, 5, 5

■ 107, 255, 225

■ 107, 255, 225

■ 82, 255, 220

■ 133, 255, 231

■ 56, 255, 215

■ 158, 255, 235

■ 31, 255, 210

■ 184, 255, 241

■ 5, 255, 204

■ 209, 255, 246

■ 0, 255, 203

■ 235, 255, 251

255, 255, 255

Harmonies

Analogous

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



50, 237, 56



107, 255, 225



0, 148, 255

Triad

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



107, 255, 225



0, 126, 255



255, 152, 191

Complementary

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



107, 255, 225



225, 107, 255

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, 158, 255



107, 255, 225



148, 192, 255

Square

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



107, 255, 225



0, 128, 255



255, 189, 255



255, 225, 116

Rectangle

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



107, 255, 225



0, 131, 255



255, 189, 255



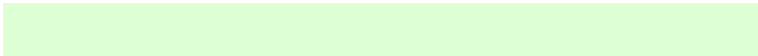
255, 150, 218

Sweetspot

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



107, 255, 225



212, 255, 247



148, 255, 107



102, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



107, 255, 225



77, 255, 219



107, 222, 255



115, 128, 126



0, 191, 152



0, 64, 51

Inverse Universe

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



225, 107, 255



219, 77, 255



255, 107, 213



125, 115, 128



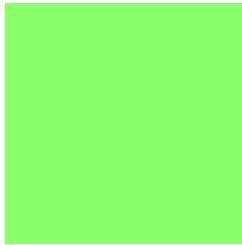
152, 0, 191



51, 0, 64

Previews

White Background



This preview shows how the RYB color 107, 255, 225 looks on a white background.

Color Contrast Check

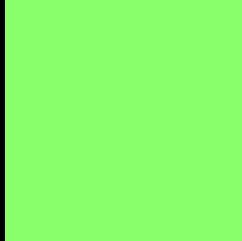
Large Text (above 18pt) WCAG AA × Fail

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 107, 255, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

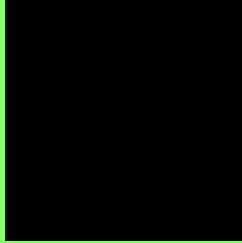
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

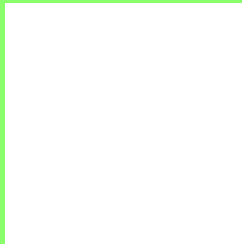
Any Text WCAG AAA ✓ Pass

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

RYB 107, 255, 225 Background



This preview shows how black text looks on a background with the RYB color 107, 255, 225.

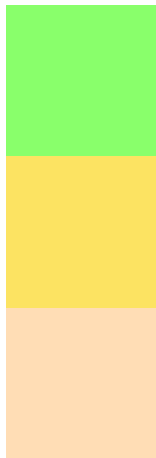


This preview shows how white text looks on a background with the RYB color 107, 255, 225.

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
107, 255, 225

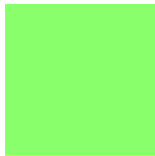
Protanopia
128, 252, 98

Deuteranopia
244, 255, 181



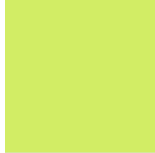
Tritanopia
174, 210, 255

Trichromacy



Original Color

107, 255, 225



Protanomaly

101, 237, 128



Deuteranomaly

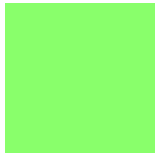
154, 233, 175



Tritanomaly

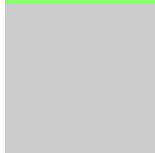
161, 217, 244

Monochromacy



Original Color

107, 255, 225



Achromatopsia

203, 203, 203



Achromatomaly

168, 222, 211

CSS Examples

Text

The CSS property to change the color of the text to RGB 107, 255, 225 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(137, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 107)  
}
```

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(137, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 255, 225 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(137, 255, 107) }
```

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

```
.border{ border-color:rgb(137, 255, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 255, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 107) }
```

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

```
.background{ background-color: rgb(137,  
255, 107) }
```

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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