

Converting Colors

`RYB(111, 255, 222)`

Have a look what the booklet for
RYB(111, 255, 222) contains.

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Color

R_YB(111, 255, 222)

Conversions

Conversions Part 1

Format	Color
Hex	90FF6F
RGB	144, 255, 111
RGB Percent	56%, 100%, 44%
CMY	0.4353, 0.0000, 0.5647
CMYK	0.44, 0.00, 0.56, 0.00
HSL	106°, 100%, 72%
HSV	106°, 56%, 100%
XYZ	50.1308, 78.5970, 27.5675
YIQ	205.3950, -19.9320, -68.3160

Conversions

Conversions Part 2

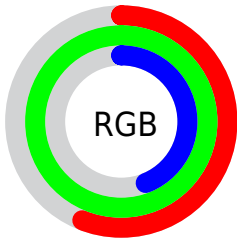
Format	Color
RYB	111, 255, 222
Decimal	9502575
CIELab	91.05, -57.45, 58.05
CIELCh	91, 81.670, 134.704
Yxy	78.5970, 0.3207, 0.5029
Android (android.graphics.Color)	4287692655 (0xFF90FF6F)
YUV	205.3950, -46.5367, -53.8434
Hunter-Lab	88.6549, -54.2115, 43.6221

Details

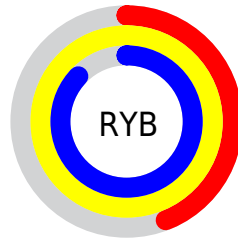
The RYB color **111, 255, 222** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **222, 111, 255**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **166, 255, 218**, and **56, 197, 169** is the 20% darker color. If you saturate the color by 10%, you get **86, 255, 217**, and if you desaturate by 10%, it is **137, 255, 228**.

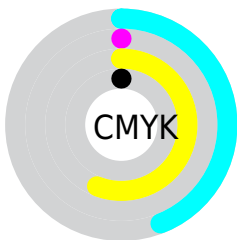
Distribution



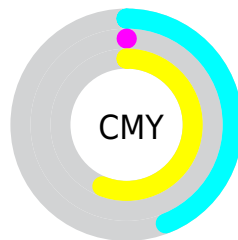
- Red (56%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (87%)



- Cyan (44%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (44%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 111, 255, 222 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 111, 255, 222 by changing the saturation by 10% instead.

 111, 255, 222

255, 255, 255

 166, 255, 218


 194, 255, 216


 223, 255, 223

253, 255, 253


 111, 255, 222


 84, 226, 196

 56, 197, 169

 24, 170, 144

 0, 142, 142

 0, 116, 116

 0, 90, 90

 0, 65, 65

 0, 43, 43

 0, 7, 7

■ 111, 255, 222

■ 111, 255, 222

■ 86, 255, 217

■ 137, 255, 228

■ 60, 255, 210

■ 162, 255, 234

■ 34, 255, 204

■ 188, 255, 240

■ 9, 255, 199

■ 213, 255, 245

■ 0, 255, 197

■ 239, 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.



60, 237, 63



111, 255, 222



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.



111, 255, 222



0, 126, 255



255, 157, 194

Complementary

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



111, 255, 222



222, 111, 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, 162, 255



111, 255, 222



151, 194, 255

Square

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



111, 255, 222



0, 128, 255



255, 192, 255



255, 222, 122

Rectangle

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



111, 255, 222



0, 131, 255



255, 192, 255



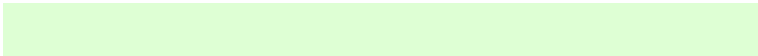
255, 155, 220

Sweetspot

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



111, 255, 222



212, 255, 245



156, 255, 111



102, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



111, 255, 222



82, 255, 216



111, 225, 255



115, 128, 125



0, 191, 147



0, 64, 49

Inverse Universe

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



222, 111, 255



215, 82, 255



255, 111, 217



125, 115, 128



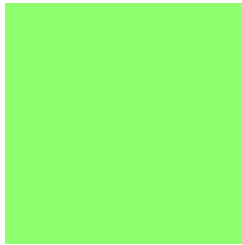
147, 0, 191



49, 0, 64

Previews

White Background



This preview shows how the RYB color 111, 255, 222 looks on a white background.

Color Contrast Check

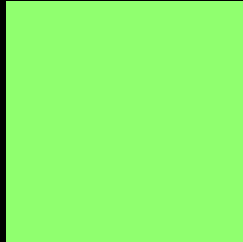
Large Text (above 18pt) WCAG AA × Fail

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 111, 255, 222 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 111, 255, 222 Background



This preview shows how black text looks on a background with the RYB color 111, 255, 222.

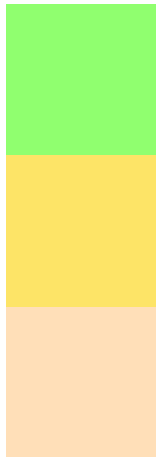


This preview shows how white text looks on a background with the RYB color 111, 255, 222.

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
111, 255, 222

Protanopia
133, 253, 103

Deuteranopia
242, 255, 184



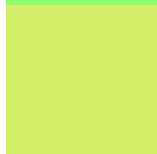
Tritanopia
179, 212, 255

Trichromacy



Original Color

111, 255, 222



Protanomaly

106, 238, 131



Deuteranomaly

157, 235, 177



Tritanomaly

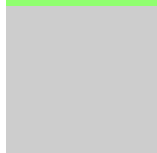
166, 219, 244

Monochromacy



Original Color

111, 255, 222



Achromatopsia

205, 205, 205



Achromatomaly

171, 223, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 255, 222 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(144, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 111)  
}
```

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(144, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 111) }
```

Border

The CSS property to change the border of an element to RYB 111, 255, 222 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(144, 255, 111) }
```

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

```
.border{ border-color:rgb(144, 255, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 255, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 255, 111); box-shadow:4px 4px 4px 4px rgb(144, 255, 111) }
```

Background

The CSS property to change the background color of an element to RYB 111, 255, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 111) }
```

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

```
.background{ background-color: rgb(144,  
255, 111) }
```

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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