

Converting Colors

`RYB(105, 228, 249)`

Have a look what the booklet for
RYB(105, 228, 249) contains.

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Color

R_YB(105, 228, 249)

Conversions

Conversions Part 1

Format	Color
Hex	69F982
RGB	105, 249, 130
RGB Percent	41%, 98%, 51%
CMY	0.5882, 0.0235, 0.4918
CMYK	0.58, 0.00, 0.48, 0.02
HSL	130°, 92%, 69%
HSV	130°, 58%, 98%
XYZ	43.7029, 72.3552, 32.6360
YIQ	192.3780, -47.6250, -67.5370

Conversions

Conversions Part 2

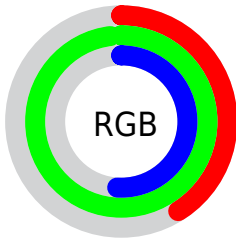
Format	Color
RYB	105, 228, 249
Decimal	6945154
CIELab	88.14, -62.96, 45.70
CIELCh	88, 77.799, 144.023
Yxy	72.3552, 0.2939, 0.4866
Android (android.graphics.Color)	4285135234 (0xFF69F982)
YUV	192.3780, -30.7524, -76.6305
Hunter-Lab	85.0619, -57.1490, 36.7953

Details

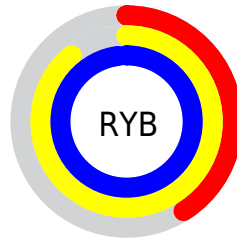
The RYB color **105, 228, 249** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **249, 105, 224**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **167, 240, 255**, and **26, 151, 191** is the 20% darker color. If you saturate the color by 10%, you get **80, 224, 249**, and if you desaturate by 10%, it is **130, 232, 249**.

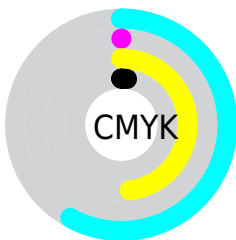
Distribution



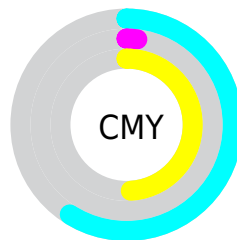
- Red (41%)
- Green (98%)
- Blue (51%)



- Red (41%)
- Yellow (89%)
- Blue (98%)



- Cyan (58%)
- Magenta (0%)
- Yellow (48%)
- Black (2%)



- Cyan (59%)
- Magenta (2%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 228, 249 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 105, 228, 249 by changing the saturation by 10% instead.

 105, 228, 249


255, 255, 255


 167, 241, 255

 197, 243, 255

 228, 246, 255


 105, 228, 249

 71, 194, 220

 26, 152, 191

 0, 124, 163

 0, 116, 136

 0, 110, 110

 0, 84, 84

 0, 59, 59

 0, 35, 35

 0, 0, 0

 105, 228, 249

 105, 228, 249

 80, 224, 249

 130, 232, 249

 55, 221, 249

 155, 235, 249

 30, 217, 249

 180, 239, 249

 5, 213, 249

 205, 243, 249

 0, 212, 249

 230, 246, 249

 254, 249, 253

 255, 249, 255

Harmonies

Analogous

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



73, 235, 106



105, 228, 249



0, 142, 255

Triad

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



105, 228, 249



0, 122, 255



255, 158, 165

Complementary

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



105, 228, 249



249, 105, 224

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, 154, 239



105, 228, 249



196, 206, 255

Square

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



105, 228, 249



0, 126, 255



255, 176, 255



238, 255, 102

Rectangle

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



105, 228, 249



0, 128, 255



255, 176, 255



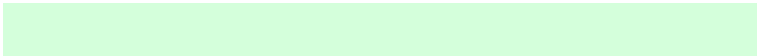
255, 153, 189

Sweetspot

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



105, 228, 249



212, 249, 255



105, 249, 129



102, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



105, 228, 249



79, 229, 255



105, 191, 249



112, 123, 125



0, 162, 189



0, 52, 61

Inverse Universe

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



249, 105, 224



255, 79, 225



249, 105, 153



125, 112, 123



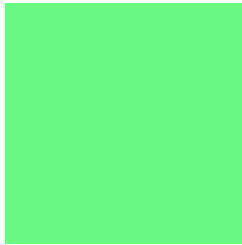
189, 0, 156



61, 0, 51

Previews

White Background



This preview shows how the RYB color 105, 228, 249 looks on a white background.

Color Contrast Check

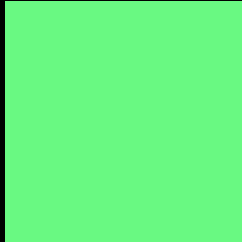
Large Text (above 18pt) WCAG AA × Fail

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 105, 228, 249 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 105, 228, 249 Background



This preview shows how black text looks on a background with the RYB color 105, 228, 249.

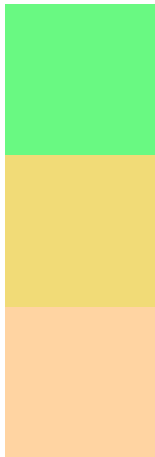


This preview shows how white text looks on a background with the RYB color 105, 228, 249.

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
105, 228, 249

Protanopia
146, 241, 119

Deuteranopia
242, 255, 162



Tritanopia
137, 190, 254

Trichromacy



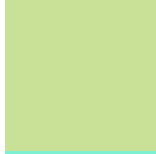
Original Color

105, 228, 249



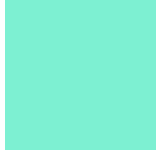
Protanomaly

123, 230, 161



Deuteranomaly

150, 225, 175



Tritanomaly

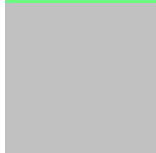
125, 191, 240

Monochromacy



Original Color

105, 228, 249



Achromatopsia

192, 192, 192



Achromatomaly

160, 205, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 228, 249 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(105, 249, 130)` looks like.

```
.text, #text, p{  
    color:rgb(105, 249, 130)  
}
```

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(105, 249, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 249, 130) }
```

Border

The CSS property to change the border of an element to RYB 105, 228, 249 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(105, 249, 130) }
```

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

```
.border{ border-color:rgb(105, 249, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 249, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 249, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 249, 130);  
box-shadow:4px 4px 4px 4px rgb(105, 249,  
130) }
```

Background

The CSS property to change the background color of an element to RGB 105, 228, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 249, 130) }
```

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

```
.background{ background-color: rgb(105,  
249, 130) }
```

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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