

Converting Colors

`RYB(105, 210, 253)`

Have a look what the booklet for
RYB(105, 210, 253) contains.

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Color

`RYB(105, 210, 253)`

Conversions

Conversions Part 1

Format	Color
Hex	69FDA6
RGB	105, 253, 166
RGB Percent	41%, 99%, 65%
CMY	0.5882, 0.0078, 0.3506
CMYK	0.58, 0.00, 0.35, 0.01
HSL	145°, 97%, 70%
HSV	145°, 58%, 99%
XYZ	47.7981, 75.9927, 48.0377
YIQ	198.8300, -60.2810, -58.4330

Conversions

Conversions Part 2

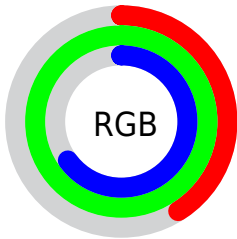
Format	Color
RYB	105, 210, 253
Decimal	6946214
CIELab	89.86, -58.66, 30.26
CIELCh	90, 66.005, 152.717
Yxy	75.9927, 0.2782, 0.4423
Android (android.graphics.Color)	4285136294 (0xFF69FDA6)
YUV	198.8300, -16.1852, -82.2889
Hunter-Lab	87.1738, -54.6810, 28.3495

Details

The RYB color **105, 210, 253** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **253, 105, 192**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **167, 221, 255**, and **25, 137, 195** is the 20% darker color. If you saturate the color by 10%, you get **80, 203, 253**, and if you desaturate by 10%, it is **130, 217, 253**.

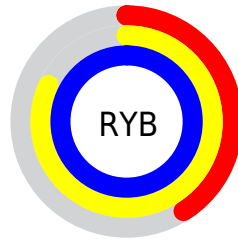
Distribution



Red (41%)

Green (99%)

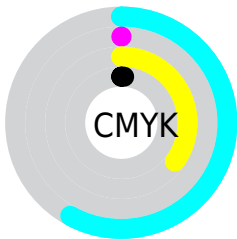
Blue (65%)



Red (41%)

Yellow (82%)

Blue (99%)

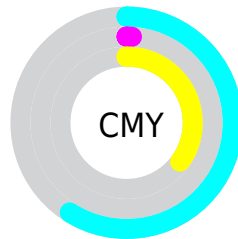


Cyan (58%)

Magenta (0%)

Yellow (35%)

Black (1%)



Cyan (59%)

Magenta (1%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 210, 253 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, 210, 253 by changing the saturation by 10% instead.

 105, 210, 253


255, 255, 255


 167, 222, 255

 197, 227, 255

 228, 242, 255

 105, 210, 253

 71, 177, 224

 25, 137, 195

 0, 109, 167

 0, 96, 140

 0, 83, 113

 0, 74, 88

 0, 63, 63

 0, 40, 40

 0, 0, 0

■ 105, 210, 253

■ 105, 210, 253

■ 80, 203, 253

■ 130, 217, 253

■ 54, 195, 253

■ 156, 225, 253

■ 29, 188, 253

■ 181, 232, 253

■ 4, 181, 253

■ 206, 239, 253

■ 0, 179, 253

■ 232, 247, 253

255, 253, 255

Harmonies

Analogous

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



115, 242, 165



105, 210, 253



0, 134, 255

Triad

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



105, 210, 253



118, 180, 255



255, 185, 161

Complementary

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



105, 210, 253



253, 105, 192

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, 171, 223



105, 210, 253



237, 207, 255

Square

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



105, 210, 253



0, 126, 255



255, 183, 255



199, 255, 114

Rectangle

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



105, 210, 253



0, 128, 255



255, 183, 255



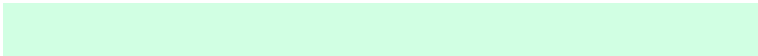
255, 175, 181

Sweetspot

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



105, 210, 253



209, 242, 255



105, 253, 164



99, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



105, 210, 253



77, 203, 255



105, 183, 253



115, 124, 128



0, 136, 191



0, 46, 64

Inverse Universe

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



253, 105, 192



255, 77, 182



253, 105, 120



128, 115, 122



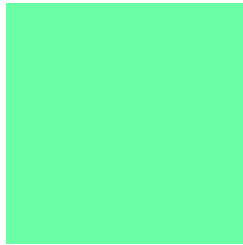
191, 0, 113



64, 0, 38

Previews

White Background



This preview shows how the RYB color 105, 210, 253 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, 210, 253 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, 210, 253 Background



This preview shows how black text looks on a background with the RYB color 105, 210, 253.

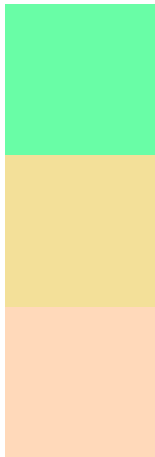


This preview shows how white text looks on a background with the RYB color 105, 210, 253.

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, 210, 253

Protanopia
177, 243, 153

Deuteranopia
255, 242, 186



Tritanopia
153, 199, 255

Trichromacy



Original Color

105, 210, 253



Protanomaly

158, 235, 200



Deuteranomaly

179, 230, 209



Tritanomaly

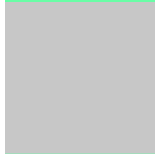
136, 195, 243

Monochromacy



Original Color

105, 210, 253



Achromatopsia

199, 199, 199



Achromatomaly

165, 203, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 210, 253 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, 253, 166)` looks like.

```
.text, #text, p{  
    color:rgb(105, 253, 166)  
}
```

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, 253, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 253, 166) }
```

Border

The CSS property to change the border of an element to RYB 105, 210, 253 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, 253, 166) }
```

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

```
.border{ border-color:rgb(105, 253, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 253, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 253, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 253, 166);  
box-shadow:4px 4px 4px 4px rgb(105, 253,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 105, 210, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 253, 166) }
```

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

```
.background{ background-color: rgb(105,  
253, 166) }
```

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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