

Converting Colors

`RYB(96, 247, 255)`

Have a look what the booklet for
RYB(96, 247, 255) contains.

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Color

RYB(96, 247, 255)

Conversions

Conversions Part 1

Format	Color
Hex	60FF68
RGB	96, 255, 104
RGB Percent	38%, 100%, 41%
CMY	0.6235, 0.0000, 0.5905
CMYK	0.62, 0.00, 0.59, 0.00
HSL	123°, 100%, 69%
HSV	123°, 62%, 100%
XYZ	43.1042, 75.0149, 25.4174
YIQ	190.2450, -46.2930, -80.6690

Conversions

Conversions Part 2

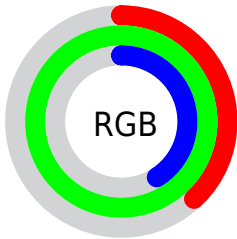
Format	Color
RYB	96, 247, 255
Decimal	6356840
CIELab	89.40, -70.16, 58.58
CIELCh	89, 91.402, 140.142
Yxy	75.0149, 0.3003, 0.5226
Android (android.graphics.Color)	4284546920 (0xFF60FF68)
YUV	190.2450, -42.5188, -82.6529
Hunter-Lab	86.6111, -62.7346, 43.2282

Details

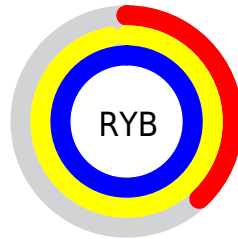
The RYB color **96, 247, 255** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **255, 96, 247**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **159, 255, 253**, and **0, 158, 197** is the 20% darker color. If you saturate the color by 10%, you get **71, 246, 255**, and if you desaturate by 10%, it is **122, 248, 255**.

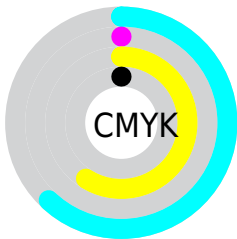
Distribution



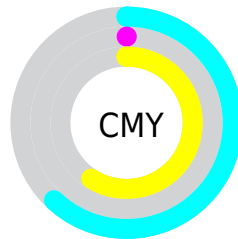
- Red (38%)
- Green (100%)
- Blue (41%)



- Red (38%)
- Yellow (97%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)



















- Cyan (62%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 247, 255 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 96, 247, 255 by changing the saturation by 10% instead.

 96, 247, 255	 96, 247, 255
 255, 255, 255	 58, 209, 226
 160, 255, 254	 0, 158, 197
 188, 255, 251	 0, 159, 169
 217, 255, 249	 0, 141, 141
 246, 255, 247	 0, 114, 114
	 0, 88, 88
	 0, 63, 63
	 0, 38, 38
	 0, 0, 0

■ 96, 247, 255

■ 96, 247, 255

■ 71, 246, 255

■ 122, 248, 255

■ 45, 245, 255

■ 147, 249, 255

■ 20, 244, 255

■ 173, 251, 255

■ 0, 242, 255

■ 198, 252, 255

■ 224, 254, 255

■ 249, 255, 255

255, 255, 255

Harmonies

Analogous

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



18, 238, 45



96, 247, 255



0, 145, 255

Triad

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



96, 247, 255



0, 124, 255



255, 141, 170

Complementary

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



96, 247, 255



255, 96, 247

Split Complementary

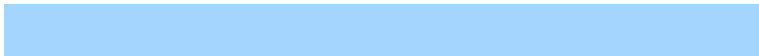
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 140, 255



96, 247, 255



164, 196, 255

Square

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



96, 247, 255



0, 128, 255



255, 174, 255



251, 255, 91

Rectangle

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



96, 247, 255



0, 128, 255



255, 174, 255



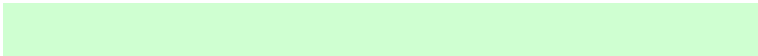
255, 136, 199

Sweetspot

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



96, 247, 255



207, 253, 255



96, 255, 104



98, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 247, 255



64, 245, 255



96, 199, 255



115, 128, 128



0, 181, 191



0, 61, 64

Inverse Universe

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



255, 96, 247



255, 64, 245



255, 96, 168



128, 115, 127



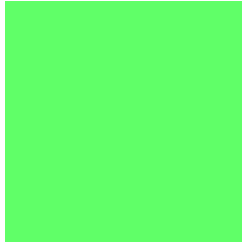
191, 0, 181



64, 0, 60

Previews

White Background



This preview shows how the RYB color 96, 247, 255 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 96, 247, 255 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

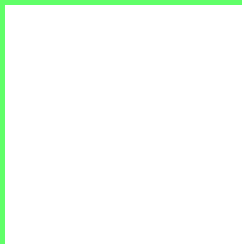
Any Text WCAG AAA ✓ Pass

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

RYB 96, 247, 255 Background



This preview shows how black text looks on a background with the RYB color 96, 247, 255.

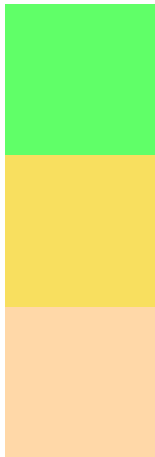


This preview shows how white text looks on a background with the RYB color 96, 247, 255.

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
96, 247, 255

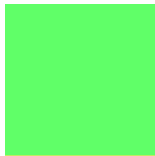
Protanopia
125, 248, 95

Deuteranopia
239, 255, 168



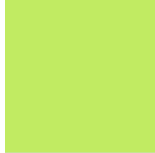
Tritanopia
148, 197, 255

Trichromacy



Original Color

96, 247, 255



Protanomaly

98, 235, 140



Deuteranomaly

145, 230, 178



Tritanomaly

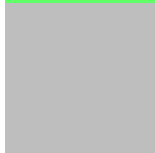
129, 200, 244

Monochromacy



Original Color

96, 247, 255



Achromatopsia

190, 190, 190



Achromatomaly

156, 211, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 247, 255 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(96, 255, 104)` looks like.

```
.text, #text, p{  
    color:rgb(96, 255, 104)  
}
```

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(96, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 255, 104) }
```

Border

The CSS property to change the border of an element to RYB 96, 247, 255 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(96, 255, 104) }
```

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

```
.border{ border-color:rgb(96, 255, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 255, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(96, 255,  
104) }
```

Background

The CSS property to change the background color of an element to RGB 96, 247, 255 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 255, 104) }
```

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

```
.background{ background-color: rgb(96, 255,  
104) }
```

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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