

Converting Colors

`RYB(66, 251, 251)`

Have a look what the booklet for
RYB(66, 251, 251) contains.

RYB(66, 251, 251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(66, 251, 251)

Conversions

Conversions Part 1

Format	Color
Hex	42FB42
RGB	66, 251, 66
RGB Percent	26%, 98%, 26%
CMY	0.7412, 0.0157, 0.7412
CMYK	0.74, 0.00, 0.74, 0.02
HSL	120°, 96%, 62%
HSV	120°, 74%, 98%
XYZ	37.7273, 70.5460, 16.7826
YIQ	174.5950, -50.8750, -96.7550

Conversions

Conversions Part 2

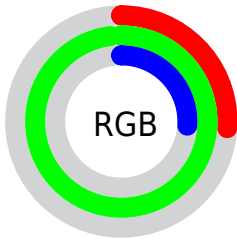
Format	Color
RYB	66, 251, 251
Decimal	4389698
CIELab	87.26, -77.64, 70.81
CIELCh	87, 105.083, 137.636
Yxy	70.5460, 0.3017, 0.5641
Android (android.graphics.Color)	4282579778 (0xFF42FB42)
YUV	174.5950, -53.5373, -95.2378
Hunter-Lab	83.9916, -66.8068, 46.9473

Details

The RYB color **66, 251, 251** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **251, 66, 251**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **125, 255, 240**, and **0, 193, 193** is the 20% darker color. If you saturate the color by 10%, you get **41, 251, 251**, and if you desaturate by 10%, it is **91, 251, 251**.

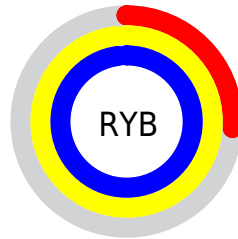
Distribution



Red (26%)

Green (98%)

Blue (26%)



Red (26%)

Yellow (98%)

Blue (98%)

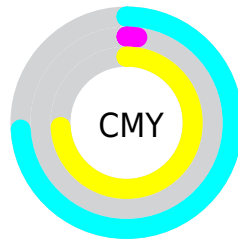


Cyan (74%)

Magenta (0%)

Yellow (74%)

Black (2%)



Cyan (74%)


















Magenta (2%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the RYB color 66, 251, 251 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 66, 251, 251 by changing the saturation by 10% instead.

 66, 251, 251	 66, 251, 251
 255, 255, 255	 0, 196, 222
 125, 255, 240	 0, 193, 193
 153, 255, 235	 0, 165, 165
 182, 255, 232	 0, 137, 137
 211, 255, 229	 0, 110, 110
 241, 255, 241	 0, 84, 84
	 0, 59, 59
	 0, 33, 33
	 0, 0, 0

 66, 251, 251

 66, 251, 251

 41, 251, 251

 91, 251, 251

 16, 251, 251

 116, 251, 251

 0, 251, 251

 141, 251, 251

 166, 251, 251

 192, 251, 251

 217, 251, 251

 242, 251, 251

 255, 251, 255

Harmonies

Analogous

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



0, 232, 25



66, 251, 251



0, 152, 255

Triad

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



66, 251, 251



0, 124, 255



255, 107, 165

Complementary

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



66, 251, 251



251, 66, 251

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, 111, 255



66, 251, 251



100, 164, 255

Square

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



66, 251, 251



0, 128, 255



255, 161, 255



255, 222, 69

Rectangle

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



66, 251, 251



0, 131, 255



255, 161, 255



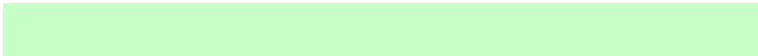
255, 100, 198

Sweetspot

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



66, 251, 251



199, 255, 255



66, 251, 66



94, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



66, 251, 251



31, 255, 255



66, 189, 251



112, 125, 125



0, 189, 189



0, 61, 61

Inverse Universe

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



251, 66, 251



255, 31, 255



251, 66, 159



125, 112, 125



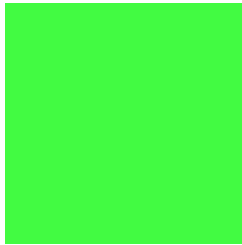
189, 0, 189



61, 0, 61

Previews

White Background



This preview shows how the RYB color 66, 251, 251 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 66, 251, 251 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](#).

RGB 66, 251, 251 Background



This preview shows how black text looks on a background with the RGB color 66, 251, 251.

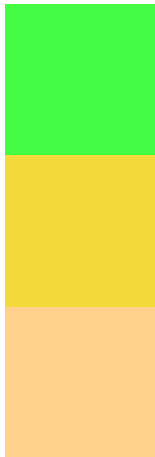


This preview shows how white text looks on a background with the RGB color 66, 251, 251.

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
66, 251, 251

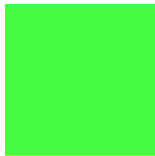
Protanopia
87, 243, 57

Deuteranopia
218, 255, 141



Tritanopia
119, 181, 253

Trichromacy



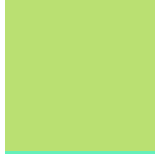
Original Color

66, 251, 251



Protanomaly

60, 229, 110



Deuteranomaly

114, 224, 152



Tritanomaly

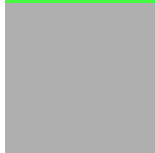
100, 187, 240

Monochromacy



Original Color

66, 251, 251



Achromatopsia

175, 175, 175



Achromatomaly

135, 203, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 251, 251 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(66, 251, 66)` looks like.

```
.text, #text, p{  
    color:rgb(66, 251, 66)  
}
```

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(66, 251, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 251, 66) }
```

Border

The CSS property to change the border of an element to RYB 66, 251, 251 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(66, 251, 66) }
```

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

```
.border{ border-color:rgb(66, 251, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 251, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 251, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 251, 66);  
box-shadow:4px 4px 4px 4px rgb(66, 251,  
66) }
```

Background

The CSS property to change the background color of an element to RYB 66, 251, 251 is called "background".

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

```
.background, #background, body{  
background: rgb(66, 251, 66) }
```

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

```
.background{ background-color: rgb(66, 251,  
66) }
```

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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