

Converting Colors

`RYB(51, 255, 227)`

Have a look what the booklet for
RYB(51, 255, 227) contains.

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Color

RYB(51, 255, 227)

Conversions

Conversions Part 1

Format	Color
Hex	4FFF33
RGB	79, 255, 51
RGB Percent	31%, 100%, 20%
CMY	0.6902, 0.0000, 0.8000
CMYK	0.69, 0.00, 0.80, 0.00
HSL	112°, 100%, 60%
HSV	112°, 80%, 100%
XYZ	39.5820, 73.4213, 15.2175
YIQ	179.1200, -39.4120, -100.7560

Conversions

Conversions Part 2

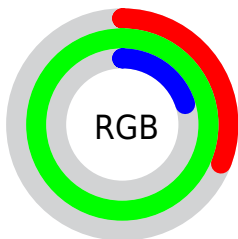
Format	Color
RYB	51, 255, 227
Decimal	5242675
CIELab	88.65, -77.69, 76.64
CIELCh	89, 109.125, 135.389
Yxy	73.4213, 0.3087, 0.5726
Android (android.graphics.Color)	4283432755 (0xFF4FFF33)
YUV	179.1200, -63.1632, -87.8052
Hunter-Lab	85.6862, -67.4944, 49.4507

Details

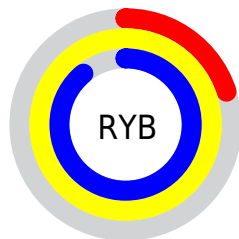
The RYB color **51, 255, 227** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **227, 51, 255**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **114, 255, 219**, and **0, 197, 197** is the 20% darker color. If you saturate the color by 10%, you get **25, 255, 223**, and if you desaturate by 10%, it is **77, 255, 231**.

Distribution



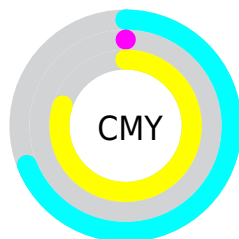
- Red (31%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (89%)



- Cyan (69%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




















- Cyan (69%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 51, 255, 227 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 51, 255, 227 by changing the saturation by 10% instead.

 51, 255, 227	 51, 255, 227
 255, 255, 255	 0, 226, 203
 114, 255, 219	 0, 197, 197
 143, 255, 215	 0, 168, 168
 172, 255, 213	 0, 141, 141
 202, 255, 211	 0, 114, 114
 232, 255, 232	 0, 87, 87
	 0, 63, 63
	 0, 36, 36
	 0, 0, 0

■ 51, 255, 227

■ 51, 255, 227

■ 25, 255, 223

■ 77, 255, 231

■ 0, 255, 220

■ 102, 255, 234

■ 128, 255, 238

■ 153, 255, 241

■ 179, 255, 245

■ 204, 255, 248

■ 230, 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.



0, 234, 17



51, 255, 227



0, 154, 255

Triad

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



51, 255, 227



0, 126, 255



255, 100, 174

Complementary

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



51, 255, 227



227, 51, 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, 110, 255



51, 255, 227



33, 134, 255

Square

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



51, 255, 227



0, 128, 255



255, 167, 255



255, 202, 74

Rectangle

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



51, 255, 227



0, 132, 255



255, 167, 255



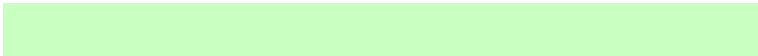
255, 95, 208

Sweetspot

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



51, 255, 227



194, 255, 247



88, 255, 51



91, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



51, 255, 227



10, 255, 221



51, 202, 255



115, 128, 126



0, 191, 165



0, 64, 55

Inverse Universe

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



227, 51, 255



221, 10, 255



255, 51, 184



126, 115, 128



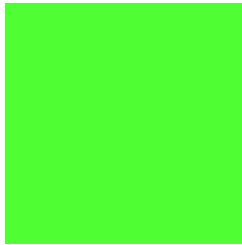
165, 0, 191



55, 0, 64

Previews

White Background



This preview shows how the RYB color 51, 255, 227 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 51, 255, 227 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 51, 255, 227 Background



This preview shows how black text looks on a background with the RYB color 51, 255, 227.

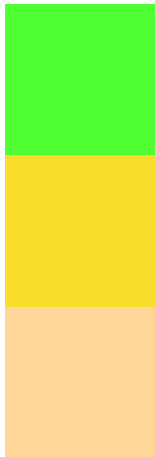


This preview shows how white text looks on a background with the RYB color 51, 255, 227.

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](#).

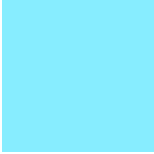
Dichromacy



Original Color
51, 255, 227

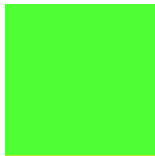
Protanopia
73, 248, 42

Deuteranopia
223, 255, 154



Tritanopia
135, 190, 255

Trichromacy



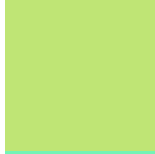
Original Color

51, 255, 227



Protanomaly

45, 233, 91



Deuteranomaly

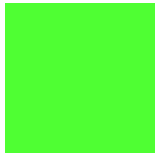
117, 229, 155



Tritanomaly

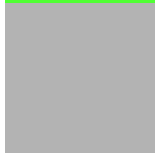
115, 200, 244

Monochromacy



Original Color

51, 255, 227



Achromatopsia

179, 179, 179



Achromatomaly

132, 207, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 255, 227 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(79, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 51)  
}
```

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(79, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 51) }
```

Border

The CSS property to change the border of an element to RYB 51, 255, 227 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(79, 255, 51) }
```

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

```
.border{ border-color:rgb(79, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
51) }
```

Background

The CSS property to change the background color of an element to RGB 79, 255, 51 is called "background".

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

```
.background, #background, body{  
background: rgb(79, 255, 51) }
```

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

```
.background{ background-color: rgb(79, 255,  
51) }
```

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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