

Converting Colors

R_YB(50, 230, 252)

Have a look what the booklet for
RYB(50, 230, 252) contains.

RYB(50, 230, 252)	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(50, 230, 252)

Conversions

Conversions Part 1

Format	Color
Hex	32FC4B
RGB	50, 252, 75
RGB Percent	20%, 99%, 29%
CMY	0.8039, 0.0118, 0.7071
CMYK	0.80, 0.00, 0.70, 0.01
HSL	127°, 97%, 59%
HSV	127°, 80%, 99%
XYZ	37.3852, 70.8027, 18.2968
YIQ	171.4240, -63.5750, -97.8710

Conversions

Conversions Part 2

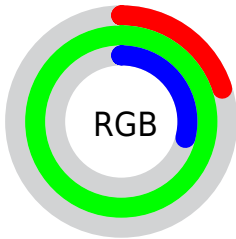
Format	Color
RYB	50, 230, 252
Decimal	3341387
CIELab	87.39, -79.30, 67.89
CIELCh	87, 104.390, 139.431
Yxy	70.8027, 0.2956, 0.5598
Android (android.graphics.Color)	4281531467 (0xFF32FC4B)
YUV	171.4240, -47.5370, -106.4888
Hunter-Lab	84.1443, -67.9453, 46.0087

Details

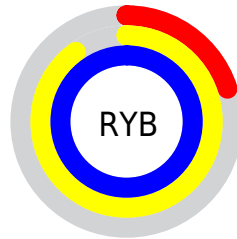
The RYB color **50, 230, 252** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **252, 50, 227**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **131, 254, 255**, and **0, 194, 194** is the 20% darker color. If you saturate the color by 10%, you get **25, 227, 252**, and if you desaturate by 10%, it is **75, 232, 252**.

Distribution



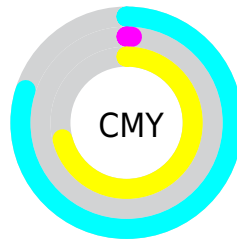
- Red (20%)
- Green (99%)
- Blue (29%)



- Red (20%)
- Yellow (90%)
- Blue (99%)



- Cyan (80%)
- Magenta (0%)
- Yellow (70%)
- Black (1%)




















- Cyan (80%)
- Magenta (1%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 230, 252 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 50, 230, 252 by changing the saturation by 10% instead.

 50, 230, 252	 50, 230, 252
 255, 255, 255	 0, 187, 223
 131, 254, 255	 0, 194, 194
 161, 255, 251	 0, 165, 165
 189, 255, 247	 0, 138, 138
 218, 255, 244	 0, 111, 111
 248, 255, 248	 0, 84, 84
	 0, 60, 60
	 0, 33, 33
	 0, 0, 0

 50, 230, 252

 50, 230, 252


 25, 227, 252

 75, 232, 252

 0, 224, 252

 100, 235, 252

 126, 239, 252

 151, 241, 252

 176, 244, 252

 201, 247, 252

 226, 249, 252

 252, 252, 252

 255, 252, 255

Harmonies

Analogous

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



0, 234, 33



50, 230, 252



0, 150, 255

Triad

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



50, 230, 252



0, 124, 255



255, 111, 160

Complementary

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



50, 230, 252



252, 50, 227

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



50, 230, 252



125, 176, 255

Square

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



50, 230, 252



0, 128, 255



255, 159, 255



255, 243, 65

Rectangle

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



50, 230, 252



0, 129, 255



255, 159, 255



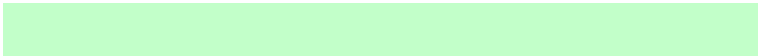
255, 103, 192

Sweetspot

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



50, 230, 252



194, 249, 255



50, 252, 74



91, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 230, 252



10, 228, 255



50, 175, 252



112, 123, 125



0, 168, 189



0, 55, 61

Inverse Universe

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



252, 50, 227



255, 10, 225



252, 50, 127



125, 112, 123



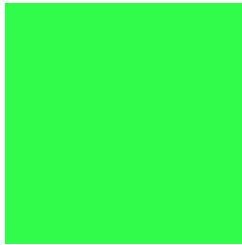
189, 0, 166



61, 0, 54

Previews

White Background



This preview shows how the RYB color 50, 230, 252 looks on a white background.

Color Contrast Check

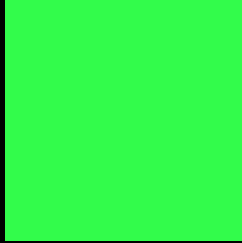
Large Text (above 18pt) WCAG AA × Fail

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 50, 230, 252 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 50, 230, 252 Background



This preview shows how black text looks on a background with the RYB color 50, 230, 252.

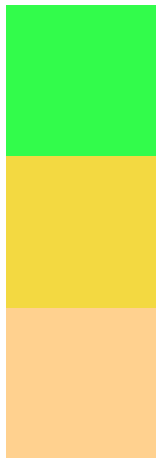


This preview shows how white text looks on a background with the RYB color 50, 230, 252.

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](#).

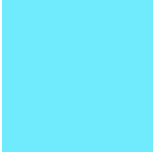
Dichromacy



Original Color
50, 230, 252

Protanopia
95, 243, 65

Deuteranopia
221, 255, 143



Tritanopia
112, 178, 254

Trichromacy



Original Color

50, 230, 252



Protanomaly

69, 230, 126



Deuteranomaly

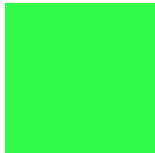
118, 225, 163



Tritanomaly

89, 181, 241

Monochromacy



Original Color

50, 230, 252



Achromatopsia

171, 171, 171



Achromatomaly

127, 192, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 230, 252 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(50, 252, 75)` looks like.

```
.text, #text, p{  
    color:rgb(50, 252, 75)  
}
```

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(50, 252, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 252, 75) }
```

Border

The CSS property to change the border of an element to RYB 50, 230, 252 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(50, 252, 75) }
```

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

```
.border{ border-color:rgb(50, 252, 75) }
```

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

Here you see how a box with a 4 pixel rgb(50, 252, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 252, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 252, 75);  
box-shadow:4px 4px 4px 4px rgb(50, 252,  
75) }
```

Background

The CSS property to change the background color of an element to RYB 50, 230, 252 is called "background".

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

```
.background, #background, body{  
background: rgb(50, 252, 75) }
```

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

```
.background{ background-color: rgb(50, 252,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor