

Converting Colors

`RYB(68, 227, 222)`

Have a look what the booklet for
RYB(68, 227, 222) contains.

RYB(68, 227, 222)	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(68, 227, 222)

Conversions

Conversions Part 1

Format	Color
Hex	49E344
RGB	73, 227, 68
RGB Percent	29%, 89%, 27%
CMY	0.7137, 0.1098, 0.7333
CMYK	0.68, 0.00, 0.70, 0.11
HSL	118°, 74%, 58%
HSV	118°, 70%, 89%
XYZ	31.2601, 56.7720, 14.7794
YIQ	162.8280, -40.7450, -82.0970

Conversions

Conversions Part 2

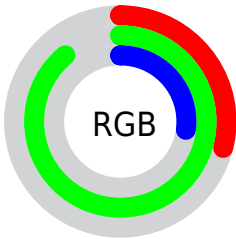
Format	Color
RYB	68, 227, 222
Decimal	4842308
CIELab	80.05, -68.88, 62.82
CIELCh	80, 93.225, 137.634
Yxy	56.7720, 0.3041, 0.5522
Android (android.graphics.Color)	4283032388 (0xFF49E344)
YUV	162.8280, -46.7502, -78.7792
Hunter-Lab	75.3472, -57.8013, 41.1133

Details

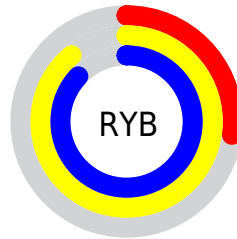
The RYB color **68, 227, 222** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **222, 68, 227**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **124, 255, 239**, and **0, 170, 170** is the 20% darker color. If you saturate the color by 10%, you get **45, 227, 221**, and if you desaturate by 10%, it is **91, 227, 223**.

Distribution



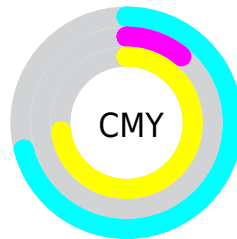
- Red (29%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (87%)



- Cyan (68%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)



- Cyan (71%)
- Magenta (11%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the RYB color 68, 227, 222 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 68, 227, 222 by changing the saturation by 10% instead.



68, 227, 222



68, 227, 222

255, 255, 255



24, 186, 198



124, 255, 239



0, 170, 170



152, 255, 236



0, 143, 143



180, 255, 233



0, 116, 116



209, 255, 231



0, 90, 90



238, 255, 238



0, 65, 65



0, 40, 40



0, 0, 0



68, 227, 222



68, 227, 222

 45, 227, 221

 91, 227, 223

 23, 227, 221

 113, 227, 223

 0, 227, 220

 136, 227, 224

 159, 227, 225

 181, 227, 225

 204, 227, 226

 227, 227, 227

 249, 227, 250

 255, 227, 255

Harmonies

Analogous

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



0, 210, 21



68, 227, 222



0, 141, 235

Triad

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



68, 227, 222



0, 118, 255



255, 106, 151

Complementary

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



68, 227, 222



222, 68, 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, 109, 238



68, 227, 222



105, 160, 255

Square

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



68, 227, 222



0, 122, 255



255, 149, 255



255, 189, 69

Rectangle

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



68, 227, 222



0, 124, 238



255, 149, 255



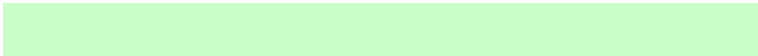
255, 100, 180

Sweetspot

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



68, 227, 222



201, 255, 253



73, 227, 68



96, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



68, 227, 222



41, 255, 248



68, 177, 227



103, 115, 114



0, 179, 173



0, 51, 49

Inverse Universe

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



222, 68, 227



248, 41, 255



227, 68, 153



114, 103, 115



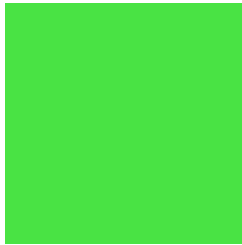
173, 0, 179



49, 0, 51

Previews

White Background



This preview shows how the RYB color 68, 227, 222 looks on a white background.

Color Contrast Check

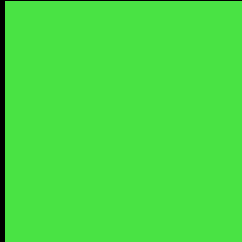
Large Text (above 18pt) WCAG AA × Fail

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 68, 227, 222 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 68, 227, 222 Background



This preview shows how black text looks on a background with the RYB color 68, 227, 222.

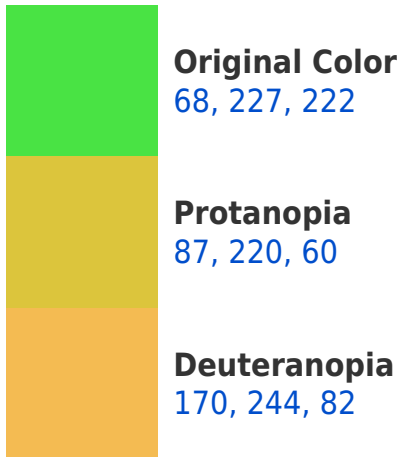


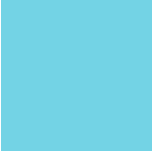
This preview shows how white text looks on a background with the RYB color 68, 227, 222.

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





Tritanopia
115, 167, 229

Trichromacy



Original Color

68, 227, 222



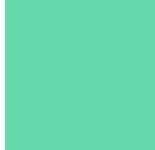
Protanomaly

63, 208, 104



Deuteranomaly

77, 202, 97



Tritanomaly

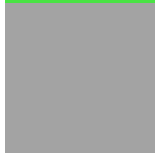
100, 173, 217

Monochromacy



Original Color

68, 227, 222



Achromatopsia

163, 163, 163



Achromatomaly

128, 186, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 68, 227, 222 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(73, 227, 68)` looks like.

```
.text, #text, p{  
    color:rgb(73, 227, 68)  
}
```

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(73, 227, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 227, 68) }
```

Border

The CSS property to change the border of an element to RYB 68, 227, 222 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(73, 227, 68) }
```

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

```
.border{ border-color:rgb(73, 227, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 227, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 227, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 227, 68);  
box-shadow:4px 4px 4px 4px rgb(73, 227,  
68) }
```

Background

The CSS property to change the background color of an element to RGB 73, 227, 68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 227, 68) }
```

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

```
.background{ background-color: rgb(73, 227,  
68) }
```

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