

Converting Colors

`RYB(52, 149, 223)`

Have a look what the booklet for
RYB(52, 149, 223) contains.

RYB(52, 149, 223)	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(52, 149, 223)`

Conversions

Conversions Part 1

Format	Color
Hex	34DFB6
RGB	52, 223, 182
RGB Percent	20%, 87%, 71%
CMY	0.7961, 0.1255, 0.2845
CMYK	0.77, 0.00, 0.18, 0.13
HSL	166°, 73%, 54%
HSV	166°, 77%, 87%
XYZ	36.2943, 56.9016, 53.5724
YIQ	167.1970, -88.7550, -49.0030

Conversions

Conversions Part 2

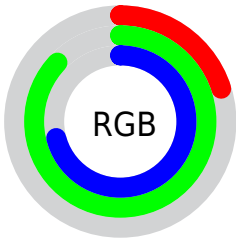
Format	Color
RYB	52, 149, 223
Decimal	3465142
CIELab	80.12, -51.58, 7.84
CIELCh	80, 52.174, 171.357
Yxy	56.9016, 0.2473, 0.3877
Android (android.graphics.Color)	4281655222 (0xFF34DFB6)
YUV	167.1970, 7.2979, -101.0278
Hunter-Lab	75.4332, -46.1236, 10.6957

Details

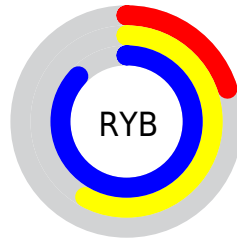
The RYB color **52, 149, 223** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **223, 52, 93**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **125, 195, 255**, and **0, 94, 167** is the 20% darker color. If you saturate the color by 10%, you get **30, 140, 223**, and if you desaturate by 10%, it is **74, 158, 223**.

Distribution



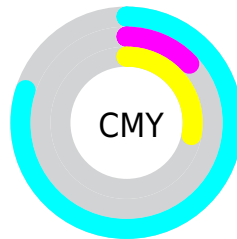
- Red (20%)
- Green (87%)
- Blue (71%)



- Red (20%)
- Yellow (58%)
- Blue (87%)



- Cyan (77%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)




















- Cyan (80%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 52, 149, 223 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 52, 149, 223 by changing the saturation by 10% instead.

 52, 149, 223	 52, 149, 223
 255, 255, 255	 0, 108, 195
 125, 195, 255	 0, 94, 167
 156, 206, 255	 0, 80, 140
 188, 222, 255	 0, 66, 113
 219, 237, 255	 0, 53, 88
 250, 253, 255	 0, 40, 63
	 0, 30, 41
	 0, 1, 1
	 0, 0, 0

■ 52, 149, 223

■ 52, 149, 223

■ 30, 140, 223

■ 74, 158, 223

■ 7, 129, 223

■ 97, 169, 223

■ 0, 127, 223

■ 119, 178, 223

■ 141, 187, 223

■ 163, 197, 223

■ 186, 207, 223

■ 208, 217, 223

■ 230, 223, 225

■ 253, 223, 230

Harmonies

Analogous

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



136, 217, 216



52, 149, 223



0, 114, 233

Triad

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



52, 149, 223



181, 190, 255



255, 205, 124

Complementary

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



52, 149, 223



223, 52, 93

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, 161, 166



52, 149, 223



246, 173, 255

Square

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



52, 149, 223



82, 155, 255



255, 160, 215



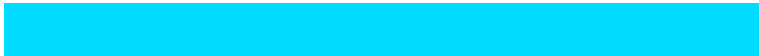
179, 241, 101

Rectangle

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



52, 149, 223



0, 118, 255



255, 160, 215



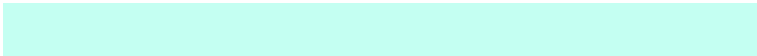
255, 179, 137

Sweetspot

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



52, 149, 223



196, 229, 255



52, 223, 180



92, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



52, 149, 223



20, 153, 255



52, 125, 223



101, 107, 112



0, 100, 176



0, 27, 48

Inverse Universe

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



223, 52, 93



255, 20, 76



223, 109, 52



112, 101, 104



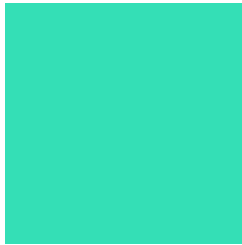
176, 0, 42



48, 0, 11

Previews

White Background



This preview shows how the RYB color 52, 149, 223 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 52, 149, 223 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

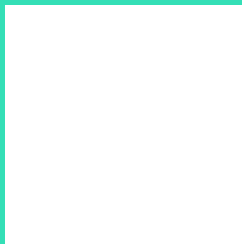
Any Text WCAG AAA ✓ Pass

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

RYB 52, 149, 223 Background



This preview shows how black text looks on a background with the RYB color 52, 149, 223.

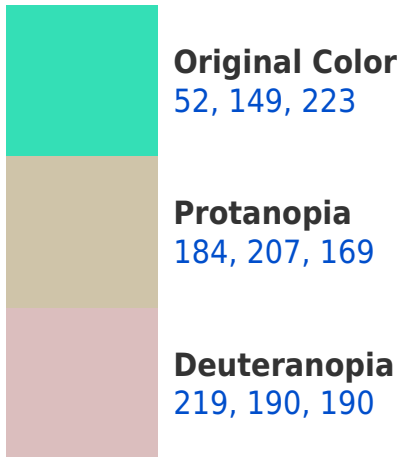


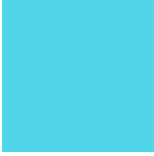
This preview shows how white text looks on a background with the RYB color 52, 149, 223.

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
81, 152, 233

Trichromacy



Original Color

52, 149, 223



Protanomaly

151, 190, 206



Deuteranomaly

158, 185, 202



Tritanomaly

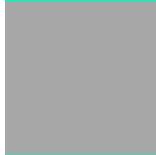
70, 146, 219

Monochromacy



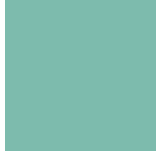
Original Color

52, 149, 223



Achromatopsia

167, 167, 167



Achromatomaly

125, 160, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 52, 149, 223 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(52, 223, 182)` looks like.

```
.text, #text, p{  
    color:rgb(52, 223, 182)  
}
```

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(52, 223, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 223, 182) }
```

Border

The CSS property to change the border of an element to RYB 52, 149, 223 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(52, 223, 182) }
```

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

```
.border{ border-color:rgb(52, 223, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 223, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(52, 223, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(52, 223, 182); box-shadow:4px 4px 4px 4px rgb(52, 223, 182) }
```

Background

The CSS property to change the background color of an element to RGB 52, 149, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 223, 182) }
```

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

```
.background{ background-color: rgb(52, 223,  
182) }
```

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