

Converting Colors

`RYB(43, 144, 222)`

Have a look what the booklet for
RYB(43, 144, 222) contains.

RYB(43, 144, 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(43, 144, 222)

Conversions

Conversions Part 1

Format	Color
Hex	2BDEB5
RGB	43, 222, 181
RGB Percent	17%, 87%, 71%
CMY	0.8314, 0.1294, 0.2893
CMYK	0.81, 0.00, 0.18, 0.13
HSL	166°, 73%, 52%
HSV	166°, 81%, 87%
XYZ	35.4824, 56.1021, 52.8027
YIQ	163.8050, -93.5230, -50.6990

Conversions

Conversions Part 2

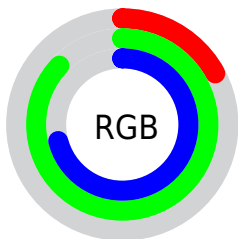
Format	Color
RYB	43, 144, 222
Decimal	2875061
CIELab	79.67, -52.36, 7.82
CIELCh	80, 52.938, 171.505
Yxy	56.1021, 0.2457, 0.3886
Android (android.graphics.Color)	4281065141 (0xFF2BDEB5)
YUV	163.8050, 8.4771, -105.9460
Hunter-Lab	74.9013, -46.5179, 10.6337

Details

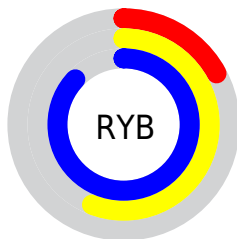
The RYB color **43, 144, 222** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **222, 43, 84**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **120, 192, 255**, and **0, 94, 166** is the 20% darker color. If you saturate the color by 10%, you get **21, 134, 222**, and if you desaturate by 10%, it is **65, 154, 222**.

Distribution



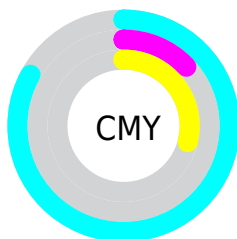
- Red (17%)
- Green (87%)
- Blue (71%)



- Red (17%)
- Yellow (56%)
- Blue (87%)



- Cyan (81%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)



- Cyan (83%)
- Magenta (13%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 43, 144, 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 43, 144, 222 by changing the saturation by 10% instead.



43, 144, 222



43, 144, 222

255, 255, 255



0, 108, 194



120, 192, 255



0, 94, 166



152, 204, 255



0, 80, 139



183, 219, 255



0, 66, 112



214, 235, 255



0, 53, 87



246, 251, 255



0, 40, 62



0, 29, 39



0, 0, 0



43, 144, 222



43, 144, 222

■ 21, 134, 222

■ 65, 154, 222

■ 0, 125, 222

■ 87, 163, 222

■ 110, 173, 222

■ 132, 183, 222

■ 154, 192, 222

■ 176, 202, 222

■ 198, 211, 222

■ 221, 222, 222

■ 243, 222, 227

Harmonies

Analogous

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



134, 216, 216



43, 144, 222



0, 114, 232

Triad

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



43, 144, 222



180, 189, 255



255, 202, 122

Complementary

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



43, 144, 222



222, 43, 84

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, 159, 164



43, 144, 222



245, 171, 255

Square

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



43, 144, 222



76, 152, 255



255, 158, 214



175, 240, 98

Rectangle

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



43, 144, 222



0, 118, 255



255, 158, 214



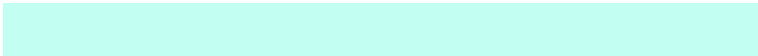
255, 179, 134

Sweetspot

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



43, 144, 222



194, 228, 255



43, 222, 180



91, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



43, 144, 222



8, 147, 255



43, 119, 222



101, 107, 112



0, 99, 176



0, 27, 48

Inverse Universe

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



222, 43, 84



255, 8, 64



222, 109, 43



112, 101, 104



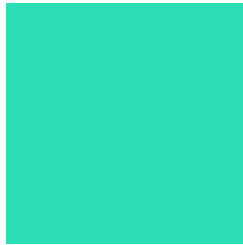
176, 0, 40



48, 0, 11

Previews

White Background



This preview shows how the RYB color 43, 144, 222 looks on a white background.

Color Contrast Check

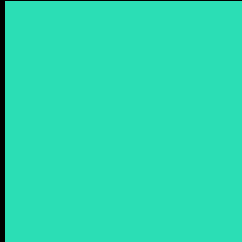
Large Text (above 18pt) WCAG AA × Fail

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 43, 144, 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

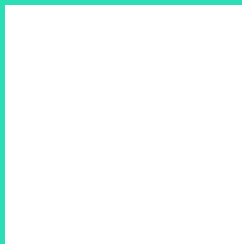
Any Text WCAG AAA ✓ Pass

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

RYB 43, 144, 222 Background



This preview shows how black text looks on a background with the RYB color 43, 144, 222.

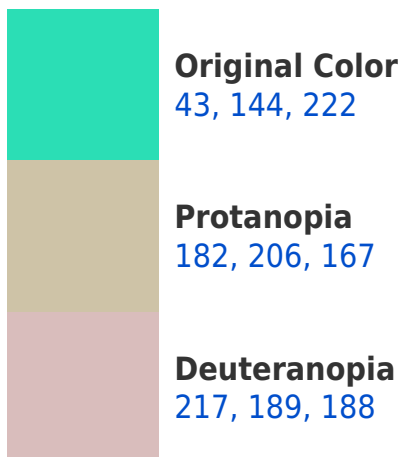


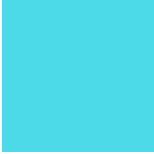
This preview shows how white text looks on a background with the RYB color 43, 144, 222.

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
76, 150, 232

Trichromacy



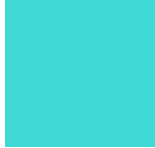
Original Color
43, 144, 222



Protanomaly
147, 188, 205



Deuteranomaly
154, 182, 201



Tritanomaly
64, 142, 218

Monochromacy



Original Color
43, 144, 222



Achromatopsia
164, 164, 164



Achromatomaly
120, 157, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 43, 144, 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(43, 222, 181)` looks like.

```
.text, #text, p{  
    color:rgb(43, 222, 181)  
}
```

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(43, 222, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 222, 181) }
```

Border

The CSS property to change the border of an element to RYB 43, 144, 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(43, 222, 181) }
```

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

```
.border{ border-color:rgb(43, 222, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 222, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 222, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 222, 181);  
box-shadow:4px 4px 4px 4px rgb(43, 222,  
181) }
```

Background

The CSS property to change the background color of an element to RYB 43, 144, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 222, 181) }
```

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

```
.background{ background-color: rgb(43, 222,  
181) }
```

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