

Converting Colors

`RYB(80, 174, 236)`

Have a look what the booklet for
RYB(80, 174, 236) contains.

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Color

`RYB(80, 174, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	50ECB7
RGB	80, 236, 183
RGB Percent	31%, 93%, 72%
CMY	0.6863, 0.0745, 0.2828
CMYK	0.66, 0.00, 0.23, 0.07
HSL	160°, 80%, 62%
HSV	160°, 66%, 93%
XYZ	41.8399, 65.1108, 55.1042
YIQ	183.3140, -75.9630, -49.5550

Conversions

Conversions Part 2

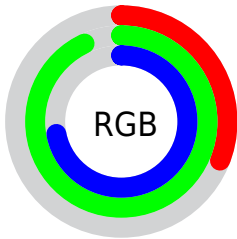
Format	Color
RYB	80, 174, 236
Decimal	5303479
CIELab	84.54, -53.01, 13.96
CIELCh	85, 54.821, 165.242
Yxy	65.1108, 0.2582, 0.4018
Android (android.graphics.Color)	4283493559 (0xFF50ECB7)
YUV	183.3140, -0.1548, -90.6064
Hunter-Lab	80.6913, -48.6543, 15.9947

Details

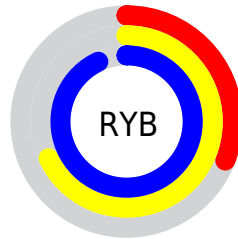
The RYB color **80, 174, 236** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **236, 80, 133**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **145, 204, 255**, and **0, 104, 179** is the 20% darker color. If you saturate the color by 10%, you get **56, 164, 236**, and if you desaturate by 10%, it is **104, 184, 236**.

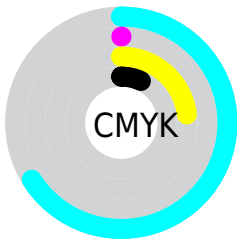
Distribution



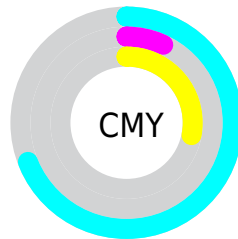
- Red (31%)
- Green (93%)
- Blue (72%)



- Red (31%)
- Yellow (68%)
- Blue (93%)



- Cyan (66%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)




















- Cyan (69%)
- Magenta (7%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the RYB color 80, 174, 236 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 80, 174, 236 by changing the saturation by 10% instead.


 80, 174, 236	 80, 174, 236
 255, 255, 255	 38, 138, 207
 145, 204, 255	 0, 104, 179
 176, 216, 255	 0, 90, 152
 206, 231, 255	 0, 76, 125
 237, 246, 255	 0, 63, 99
	 0, 50, 74
	 0, 38, 50
	 0, 25, 25
	 0, 0, 0

 80, 174, 236

 80, 174, 236

 56, 164, 236

 104, 184, 236

 33, 155, 236

 127, 193, 236

 9, 146, 236

 151, 202, 236

 0, 142, 236

 174, 211, 236

 198, 221, 236

 222, 231, 236

 245, 236, 239

 255, 236, 247

 255, 236, 255

Harmonies

Analogous

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



136, 229, 206



80, 174, 236



0, 120, 238

Triad

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



80, 174, 236



174, 197, 255



255, 204, 140

Complementary

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



80, 174, 236



236, 80, 133

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, 169, 186



80, 174, 236



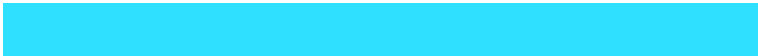
249, 187, 255

Square

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



80, 174, 236



48, 143, 255



255, 172, 239



201, 255, 110

Rectangle

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



80, 174, 236



0, 123, 255



255, 172, 239



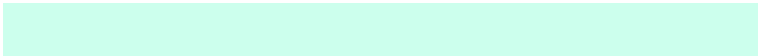
255, 182, 154

Sweetspot

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



80, 174, 236



204, 235, 255



80, 236, 181



97, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 174, 236



54, 175, 255



80, 152, 236



106, 113, 117



0, 109, 181



0, 33, 54

Inverse Universe

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



236, 80, 133



255, 54, 122



236, 107, 80



117, 106, 110



181, 0, 62



54, 0, 18

Previews

White Background



This preview shows how the RYB color 80, 174, 236 looks on a white background.

Color Contrast Check

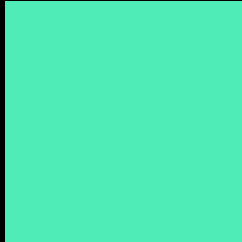
Large Text (above 18pt) WCAG AA × Fail

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 80, 174, 236 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 80, 174, 236 Background



This preview shows how black text looks on a background with the RYB color 80, 174, 236.

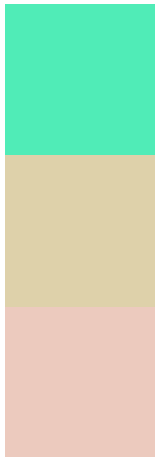


This preview shows how white text looks on a background with the RYB color 80, 174, 236.

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](#).

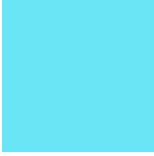
Dichromacy



Original Color
80, 174, 236

Protanopia
187, 222, 170

Deuteranopia
236, 206, 190



Tritanopia
105, 171, 246

Trichromacy



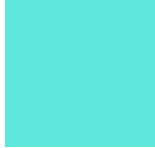
Original Color
80, 174, 236



Protanomaly
170, 214, 219



Deuteranomaly
179, 207, 214

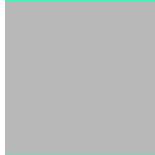


Tritanomaly
96, 166, 231

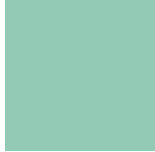
Monochromacy



Original Color
80, 174, 236



Achromatopsia
183, 183, 183



Achromatomaly
146, 180, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 174, 236 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(80, 236, 183)` looks like.

```
.text, #text, p{  
    color:rgb(80, 236, 183)  
}
```

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(80, 236, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 236, 183) }
```

Border

The CSS property to change the border of an element to RYB 80, 174, 236 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(80, 236, 183) }
```

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

```
.border{ border-color:rgb(80, 236, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 236, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 236, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 236, 183);  
box-shadow:4px 4px 4px 4px rgb(80, 236,  
183) }
```

Background

The CSS property to change the background color of an element to RGB 80, 174, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 236, 183) }
```

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

```
.background{ background-color: rgb(80, 236,  
183) }
```

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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