

Converting Colors

`RYB(78, 197, 219)`

Have a look what the booklet for
RYB(78, 197, 219) contains.

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Color

$\text{RYB}(78, 197, 219)$

Conversions

Conversions Part 1

Format	Color
Hex	4EDB68
RGB	78, 219, 104
RGB Percent	31%, 86%, 41%
CMY	0.6941, 0.1412, 0.5919
CMYK	0.64, 0.00, 0.52, 0.14
HSL	131°, 66%, 58%
HSV	131°, 64%, 86%
XYZ	30.9755, 53.2836, 21.7668
YIQ	163.7310, -47.1210, -65.6570

Conversions

Conversions Part 2

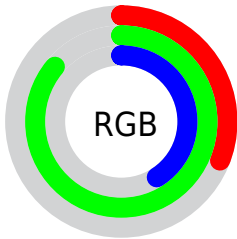
Format	Color
RYB	78, 197, 219
Decimal	5167976
CIELab	78.04, -61.27, 45.20
CIELCh	78, 76.138, 143.584
Yxy	53.2836, 0.2922, 0.5026
Android (android.graphics.Color)	4283358056 (0xFF4EDB68)
YUV	163.7310, -29.4474, -75.1861
Hunter-Lab	72.9956, -51.9963, 33.4170

Details

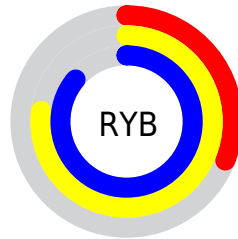
The RYB color **78, 197, 219** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **219, 78, 193**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **141, 241, 255**, and **0, 124, 163** is the 20% darker color. If you saturate the color by 10%, you get **56, 194, 219**, and if you desaturate by 10%, it is **100, 200, 219**.

Distribution



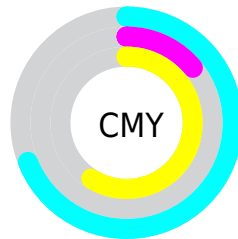
- Red (31%)
- Green (86%)
- Blue (41%)



- Red (31%)
- Yellow (77%)
- Blue (86%)



- Cyan (64%)
- Magenta (0%)
- Yellow (52%)
- Black (14%)

















- Cyan (69%)
- Magenta (14%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 197, 219 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 78, 197, 219 by changing the saturation by 10% instead.

 78, 197, 219	 78, 197, 219
255, 255, 255	 39, 160, 191
 141, 241, 255	 0, 124, 163
 171, 243, 255	 0, 114, 135
 201, 245, 255	 0, 109, 109
 232, 248, 255	 0, 83, 83
	 0, 59, 59
	 0, 35, 35
	 0, 0, 0

 78, 197, 219	 78, 197, 219
--	--

■ 56, 194, 219

■ 100, 200, 219

■ 34, 190, 219

■ 122, 204, 219

■ 12, 186, 219

■ 144, 207, 219

■ 0, 185, 219

■ 166, 211, 219

■ 188, 215, 219

■ 209, 217, 219

■ 231, 219, 229

■ 253, 219, 247

■ 255, 219, 255

Harmonies

Analogous

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



46, 206, 78



78, 197, 219



0, 127, 225

Triad

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



78, 197, 219



0, 114, 255



255, 130, 141

Complementary

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



78, 197, 219



219, 78, 193

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, 126, 211



78, 197, 219



165, 179, 255

Square

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



78, 197, 219



0, 118, 255



255, 149, 255



255, 216, 79

Rectangle

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



78, 197, 219



0, 114, 227



255, 149, 255



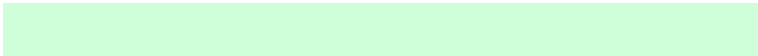
255, 125, 164

Sweetspot

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



78, 197, 219



207, 247, 255



78, 219, 104



98, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



78, 197, 219



59, 225, 255



78, 162, 219



99, 108, 110



0, 146, 173



0, 39, 46

Inverse Universe

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



219, 78, 193



255, 59, 219



219, 78, 123



110, 99, 108



173, 0, 141



46, 0, 37

Previews

White Background



This preview shows how the RYB color 78, 197, 219 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 78, 197, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

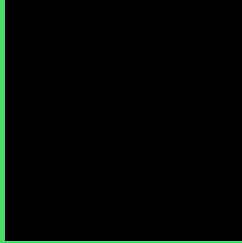
Any Text WCAG AA ✓ Pass

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 78, 197, 219 Background



This preview shows how black text looks on a background with the RYB color 78, 197, 219.

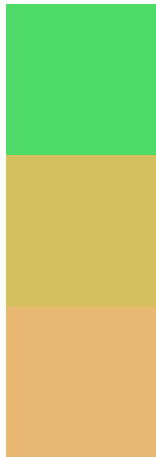


This preview shows how white text looks on a background with the RYB color 78, 197, 219.

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
78, 197, 219

Protanopia
119, 212, 95

Deuteranopia
196, 232, 113



Tritanopia
112, 163, 223

Trichromacy



Original Color

78, 197, 219



Protanomaly

98, 202, 137



Deuteranomaly

110, 196, 130



Tritanomaly

100, 165, 211

Monochromacy



Original Color

78, 197, 219



Achromatopsia

164, 164, 164



Achromatomaly

133, 176, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 197, 219 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(78, 219, 104)` looks like.

```
.text, #text, p{  
    color:rgb(78, 219, 104)  
}
```

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(78, 219, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 219, 104) }
```

Border

The CSS property to change the border of an element to RYB 78, 197, 219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

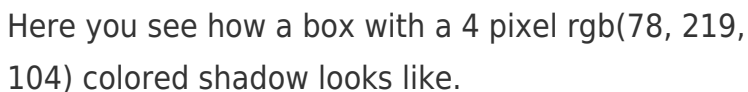
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 219, 104) }
```

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

```
.border{ border-color:rgb(78, 219, 104) }
```

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



Here you see how a box with a 4 pixel `rgb(78, 219, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 219, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 219, 104);  
box-shadow:4px 4px 4px 4px rgb(78, 219,  
104) }
```

Background

The CSS property to change the background color of an element to RGB 78, 197, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 219, 104) }
```

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

```
.background{ background-color: rgb(78, 219,  
104) }
```

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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