

Converting Colors

`RYB(78, 173, 233)`

Have a look what the booklet for
RYB(78, 173, 233) contains.

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Color

$\text{RYB}(78, 173, 233)$

Conversions

Conversions Part 1

Format	Color
Hex	4EE9B0
RGB	78, 233, 176
RGB Percent	31%, 91%, 69%
CMY	0.6941, 0.0863, 0.3102
CMYK	0.67, 0.00, 0.25, 0.09
HSL	158°, 78%, 61%
HSV	158°, 67%, 91%
XYZ	40.1069, 63.0280, 51.0715
YIQ	180.1570, -74.0830, -50.5870

Conversions

Conversions Part 2

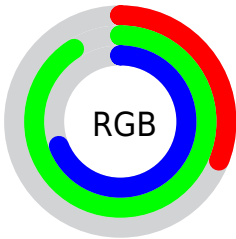
Format	Color
RYB	78, 173, 233
Decimal	5171632
CIELab	83.46, -53.67, 16.08
CIELCh	83, 56.025, 163.317
Yxy	63.0280, 0.2601, 0.4087
Android (android.graphics.Color)	4283361712 (0xFF4EE9B0)
YUV	180.1570, -2.0494, -89.5917
Hunter-Lab	79.3901, -48.7569, 17.4320

Details

The RYB color **78, 173, 233** 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 **233, 78, 135**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **143, 205, 255**, and **0, 104, 176** is the 20% darker color. If you saturate the color by 10%, you get **55, 164, 233**, and if you desaturate by 10%, it is **101, 182, 233**.

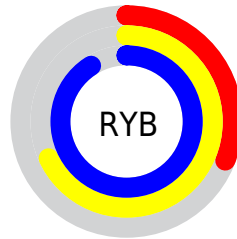
Distribution



Red (31%)

Green (91%)

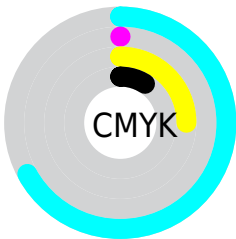
Blue (69%)



Red (31%)

Yellow (68%)

Blue (91%)

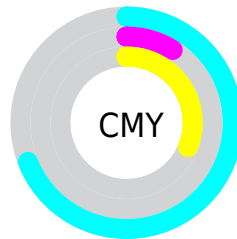


Cyan (67%)

Magenta (0%)

Yellow (25%)

Black (9%)



Cyan (69%)

















Magenta (9%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the RYB color 78, 173, 233 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, 173, 233 by changing the saturation by 10% instead.


 78, 173, 233	 78, 173, 233
 255, 255, 255	 35, 136, 204
 143, 205, 255	 0, 104, 176
 174, 215, 255	 0, 90, 149
 204, 230, 255	 0, 76, 122
 235, 245, 255	 0, 63, 96
	 0, 50, 71
	 0, 42, 48
	 0, 20, 20
	 0, 0, 0


 78, 173, 233

 78, 173, 233

 55, 164, 233

 101, 182, 233

 31, 155, 233

 125, 191, 233

 8, 146, 233

 148, 200, 233

 0, 143, 233

 171, 209, 233

 195, 218, 233

 218, 227, 233

 241, 233, 236

 255, 233, 245

 255, 233, 253

Harmonies

Analogous

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



129, 226, 197



78, 173, 233



0, 119, 235

Triad

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



78, 173, 233



164, 192, 255



255, 194, 138

Complementary

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



78, 173, 233



233, 78, 135

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, 164, 186



78, 173, 233



243, 185, 255

Square

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



78, 173, 233



0, 119, 255



255, 168, 240



206, 255, 106

Rectangle

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



78, 173, 233



0, 122, 255



255, 168, 240



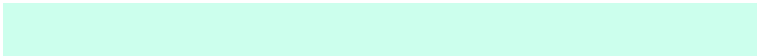
255, 175, 153

Sweetspot

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



78, 173, 233



204, 235, 255



78, 233, 174



97, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



78, 173, 233



51, 176, 255



78, 151, 233



106, 113, 117



0, 111, 181



0, 33, 54

Inverse Universe

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



233, 78, 135



255, 51, 126



233, 98, 78



117, 106, 110



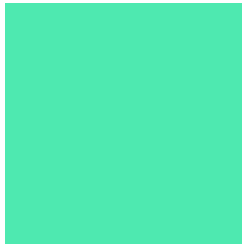
181, 0, 67



54, 0, 20

Previews

White Background



This preview shows how the RYB color 78, 173, 233 looks on a white background.

Color Contrast Check

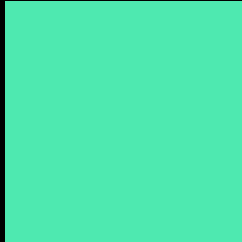
Large Text (above 18pt) WCAG AA × Fail

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, 173, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

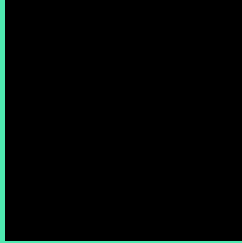
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

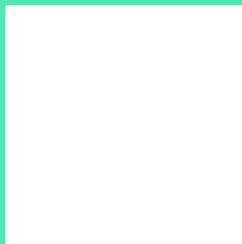
Any Text WCAG AAA ✓ Pass

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

R Y B 78, 173, 233 Background



This preview shows how black text looks on a background with the R Y B color 78, 173, 233.

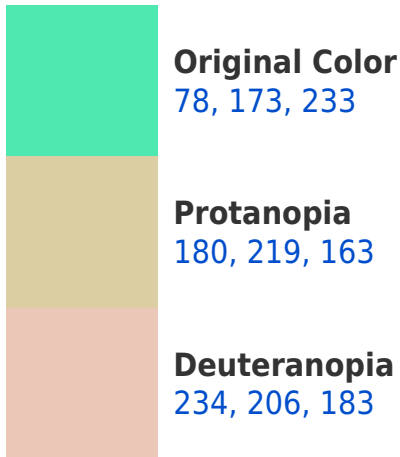



This preview shows how white text looks on a background with the R Y B color 78, 173, 233.

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
104, 168, 242

Trichromacy



Original Color

78, 173, 233



Protanomaly

168, 216, 216



Deuteranomaly

177, 208, 211



Tritanomaly

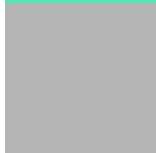
95, 163, 227

Monochromacy



Original Color

78, 173, 233



Achromatopsia

180, 180, 180



Achromatomaly

143, 177, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 173, 233 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, 233, 176)` looks like.

```
.text, #text, p{  
    color:rgb(78, 233, 176)  
}
```

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, 233, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 233, 176) }
```

Border

The CSS property to change the border of an element to RYB 78, 173, 233 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, 233, 176) }
```

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

```
.border{ border-color:rgb(78, 233, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 233, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 233, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 233, 176);  
box-shadow:4px 4px 4px 4px rgb(78, 233,  
176) }
```

Background

The CSS property to change the background color of an element to RGB 78, 173, 233 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 233, 176) }
```

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

```
.background{ background-color: rgb(78, 233,  
176) }
```

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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