

Converting Colors

`RYB(78, 175, 223)`

Have a look what the booklet for
RYB(78, 175, 223) contains.

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Color

R_YB(78, 175, 223)

Conversions

Conversions Part 1

Format	Color
Hex	4EDF96
RGB	78, 223, 150
RGB Percent	31%, 87%, 59%
CMY	0.6941, 0.1255, 0.4127
CMYK	0.65, 0.00, 0.33, 0.13
HSL	150°, 69%, 59%
HSV	150°, 65%, 87%
XYZ	35.0147, 56.5891, 37.8271
YIQ	171.3230, -62.9870, -53.4430

Conversions

Conversions Part 2

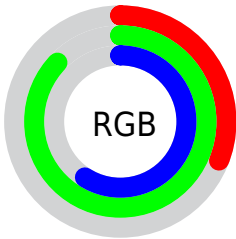
Format	Color
RYB	78, 175, 223
Decimal	5169046
CIELab	79.95, -55.14, 24.83
CIELCh	80, 60.469, 155.756
Yxy	56.5891, 0.2705, 0.4372
Android (android.graphics.Color)	4283359126 (0xFF4EDF96)
YUV	171.3230, -10.5122, -81.8443
Hunter-Lab	75.2257, -48.5602, 22.8441

Details

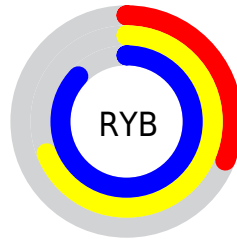
The RYB color **78, 175, 223** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **223, 78, 151**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **141, 214, 255**, and **0, 105, 167** is the 20% darker color. If you saturate the color by 10%, you get **56, 168, 223**, and if you desaturate by 10%, it is **100, 182, 223**.

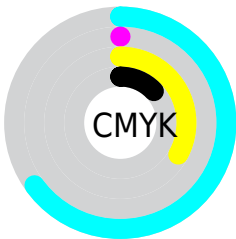
Distribution



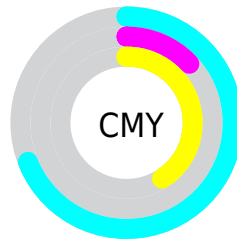
- Red (31%)
- Green (87%)
- Blue (59%)



- Red (31%)
- Yellow (69%)
- Blue (87%)



- Cyan (65%)
- Magenta (0%)
- Yellow (33%)
- Black (13%)




- Cyan (69%)
- Magenta (13%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 175, 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 78, 175, 223 by changing the saturation by 10% instead.

 78, 175, 223


255, 255, 255


 141, 214, 255

 171, 219, 255

 201, 228, 255

 232, 244, 255

 78, 175, 223


 39, 140, 195

 0, 105, 167

 0, 91, 139


 0, 78, 113


 0, 66, 87

 0, 57, 62

 0, 40, 40

 0, 0, 0

 78, 175, 223

 78, 175, 223

■ 56, 168, 223

■ 100, 182, 223

■ 33, 160, 223

■ 123, 190, 223

■ 11, 153, 223

■ 145, 197, 223

■ 0, 149, 223

■ 167, 204, 223

■ 190, 212, 223

■ 212, 220, 223

■ 234, 223, 229

■ 255, 223, 240

■ 255, 223, 251

Harmonies

Analogous

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



102, 214, 155



78, 175, 223



0, 118, 227

Triad

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



78, 175, 223



115, 168, 255



255, 165, 135

Complementary

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



78, 175, 223



223, 78, 151

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, 149, 189



78, 175, 223



216, 179, 255

Square

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



78, 175, 223



0, 117, 255



255, 158, 246



240, 255, 95

Rectangle

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



78, 175, 223



0, 118, 246



255, 158, 246



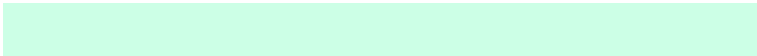
255, 154, 152

Sweetspot

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



78, 175, 223



204, 238, 255



78, 223, 148



97, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



78, 175, 223



56, 189, 255



78, 151, 223



101, 108, 112



0, 118, 176



0, 32, 48

Inverse Universe

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



223, 78, 151



255, 56, 157



223, 78, 80



112, 101, 107



176, 0, 89



48, 0, 24

Previews

White Background



This preview shows how the RYB color 78, 175, 223 looks on a white background.

Color Contrast Check

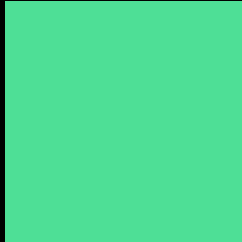
Large Text (above 18pt) WCAG AA × Fail

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 78, 175, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

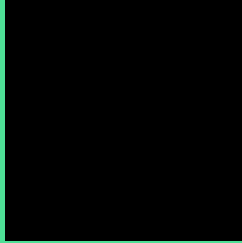
Any Text WCAG AA ✓ Pass

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](#).

R Y B 78, 175, 223 Background



This preview shows how black text looks on a background with the R Y B color 78, 175, 223.

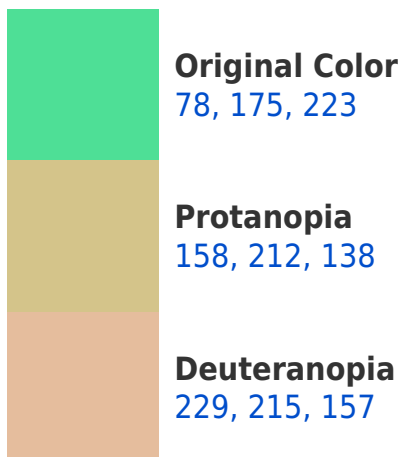


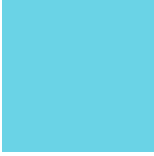
This preview shows how white text looks on a background with the R Y B color 78, 175, 223.

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
106, 163, 230

Trichromacy



Original Color

78, 175, 223



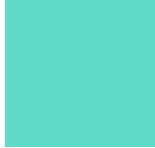
Protanomaly

142, 206, 185



Deuteranomaly

154, 201, 181



Tritanomaly

96, 161, 217

Monochromacy



Original Color

78, 175, 223



Achromatopsia

171, 171, 171



Achromatomaly

137, 173, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 175, 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(78, 223, 150)` looks like.

```
.text, #text, p{  
    color:rgb(78, 223, 150)  
}
```

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, 223, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 223, 150) }
```

Border

The CSS property to change the border of an element to RYB 78, 175, 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(78, 223, 150) }
```

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

```
.border{ border-color:rgb(78, 223, 150) }
```

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

Here you see how a box with a 4 pixel rgb(78, 223, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 223, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 223, 150);  
box-shadow:4px 4px 4px 4px rgb(78, 223,  
150) }
```

Background

The CSS property to change the background color of an element to RGB 78, 175, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 223, 150) }
```

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

```
.background{ background-color: rgb(78, 223,  
150) }
```

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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