

Converting Colors

`RYB(78, 135, 199)`

Have a look what the booklet for
RYB(78, 135, 199) contains.

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Color

$\text{RYB}(78, 135, 199)$

Conversions

Conversions Part 1

Format	Color
Hex	4EBAC7
RGB	78, 186, 199
RGB Percent	31%, 73%, 78%
CMY	0.6941, 0.2715, 0.2196
CMYK	0.61, 0.07, 0.00, 0.22
HSL	187°, 52%, 54%
HSV	187°, 61%, 78%
XYZ	30.9603, 40.7624, 60.2690
YIQ	155.1900, -68.5410, -18.8530

Conversions

Conversions Part 2

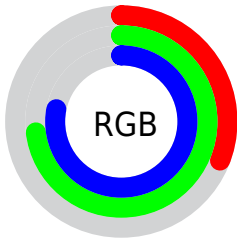
Format	Color
RYB	78, 135, 199
Decimal	5159623
CIELab	70.01, -26.70, -15.92
CIElCh	70, 31.089, 210.806
Yxy	40.7624, 0.2346, 0.3088
Android (android.graphics.Color)	4283349703 (0xFF4EBAC7)
YUV	155.1900, 21.5983, -67.6956
Hunter-Lab	63.8454, -25.1703, -11.2770

Details

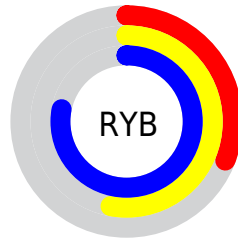
The RYB color **78, 135, 199** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **199, 93, 78**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **139, 194, 255**, and **0, 69, 145** is the 20% darker color. If you saturate the color by 10%, you get **58, 125, 199**, and if you desaturate by 10%, it is **98, 146, 199**.

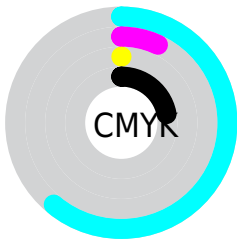
Distribution



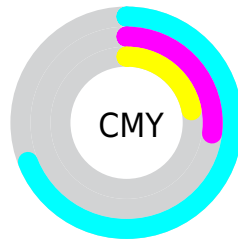
- Red (31%)
- Green (73%)
- Blue (78%)



- Red (31%)
- Yellow (53%)
- Blue (78%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)




- Cyan (69%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 135, 199 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, 135, 199 by changing the saturation by 10% instead.

 78, 135, 199


255, 255, 255

 139, 194, 255

 168, 212, 255

 198, 227, 255

 228, 242, 255

 78, 135, 199

 42, 104, 172


 0, 69, 145

 0, 56, 119


 0, 44, 95


 0, 32, 71

 0, 21, 49

 0, 2, 28

 0, 0, 0

 78, 135, 199

 78, 135, 199

■ 58, 125, 199

■ 98, 146, 199

■ 38, 114, 199

■ 118, 156, 199

■ 18, 103, 199

■ 138, 167, 199

■ 0, 94, 199

■ 158, 177, 199

■ 178, 188, 199

■ 197, 198, 199

■ 217, 201, 199

■ 237, 203, 199

■ 255, 206, 199

Harmonies

Analogous

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



95, 145, 187



78, 135, 199



95, 146, 220

Triad

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



78, 135, 199



208, 154, 199



142, 190, 115

Complementary

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



78, 135, 199



199, 93, 78

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.



213, 186, 123



78, 135, 199



225, 150, 171

Square

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



78, 135, 199



176, 164, 220



226, 153, 144



122, 178, 140

Rectangle

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



78, 135, 199



121, 157, 226



226, 153, 144



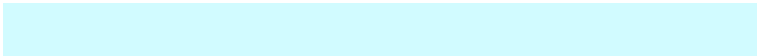
171, 199, 116

Sweetspot

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



78, 135, 199



209, 231, 255



78, 188, 199



99, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



78, 135, 199



69, 157, 255



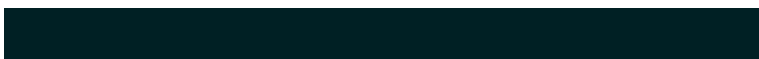
78, 112, 199



90, 94, 99



0, 77, 163



0, 17, 36

Inverse Universe

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



199, 78, 186



255, 69, 235



158, 199, 78



99, 90, 98



163, 0, 145



36, 0, 32

Previews

White Background



This preview shows how the RYB color 78, 135, 199 looks on a white background.

Color Contrast Check

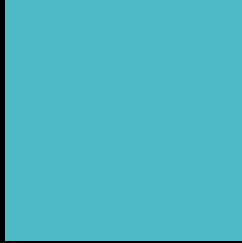
Large Text (above 18pt) WCAG AA × Fail

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, 135, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

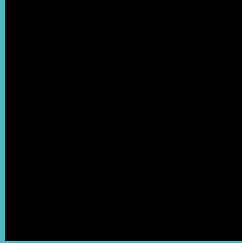
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

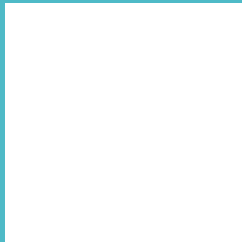
Any Text WCAG AAA ✓ Pass

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

RYB 78, 135, 199 Background



This preview shows how black text looks on a background with the RYB color 78, 135, 199.

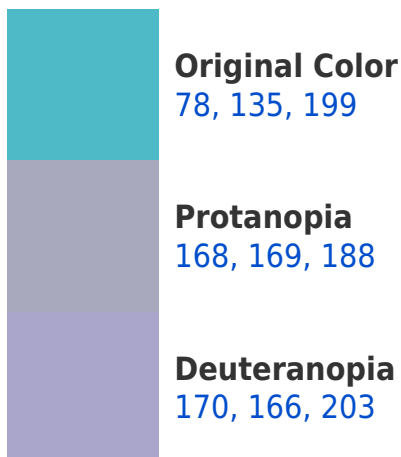


This preview shows how white text looks on a background with the RYB color 78, 135, 199.

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
79, 136, 201

Trichromacy



Original Color

78, 135, 199



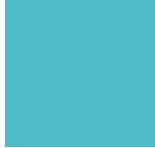
Protanomaly

135, 159, 192



Deuteranomaly

137, 160, 202



Tritanomaly

79, 136, 200

Monochromacy



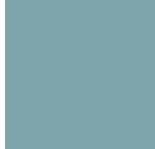
Original Color

78, 135, 199



Achromatopsia

155, 155, 155



Achromatomaly

127, 148, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 135, 199 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, 186, 199)` looks like.

```
.text, #text, p{  
    color:rgb(78, 186, 199)  
}
```

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, 186, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 186, 199) }
```

Border

The CSS property to change the border of an element to RYB 78, 135, 199 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, 186, 199) }
```

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

```
.border{ border-color:rgb(78, 186, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 186, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 186, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 186, 199);  
box-shadow:4px 4px 4px 4px rgb(78, 186,  
199) }
```

Background

The CSS property to change the background color of an element to RGB 78, 135, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 186, 199) }
```

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

```
.background{ background-color: rgb(78, 186,  
199) }
```

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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