

Converting Colors

`RYB(78, 133, 206)`

Have a look what the booklet for
RYB(78, 133, 206) contains.

RYB(78, 133, 206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(78, 133, 206)

Conversions

Conversions Part 1

Format	Color
Hex	4EAECE
RGB	78, 174, 206
RGB Percent	31%, 68%, 81%
CMY	0.6941, 0.3159, 0.1922
CMYK	0.62, 0.15, 0.00, 0.19
HSL	195°, 57%, 56%
HSV	195°, 62%, 81%
XYZ	29.5033, 36.5177, 63.8861
YIQ	148.9440, -67.4880, -10.4000

Conversions

Conversions Part 2

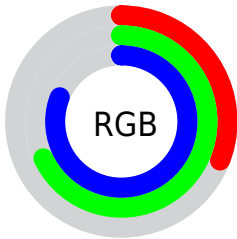
Format	Color
R _{YB}	78, 133, 206
Decimal	5156558
CIE _{Lab}	66.91, -18.84, -24.48
CIE _{LCh}	67, 30.892, 232.414
Yxy	36.5177, 0.2271, 0.2811
Android (android.graphics.Color)	4283346638 (0xFF4EAECE)
YUV	148.9440, 28.1286, -62.2179
Hunter-Lab	60.4299, -18.6042, -20.3802

Details

The RYB color **78, 133, 206** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **206, 121, 78**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **138, 190, 255**, and **0, 67, 152** is the 20% darker color. If you saturate the color by 10%, you get **57, 121, 206**, and if you desaturate by 10%, it is **99, 145, 206**.

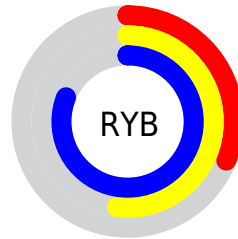
Distribution



Red (31%)

Green (68%)

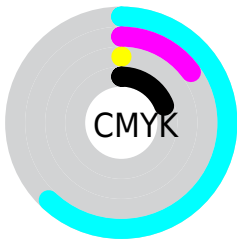
Blue (81%)



Red (31%)

Yellow (52%)

Blue (81%)

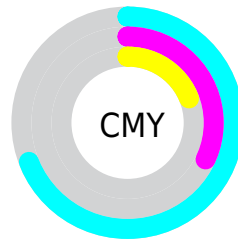


Cyan (62%)

Magenta (15%)

Yellow (0%)

Black (19%)



Cyan (69%)


Magenta (32%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 133, 206 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, 133, 206 by changing the saturation by 10% instead.

 78, 133, 206


255, 255, 255


 138, 190, 255

 168, 212, 255

 198, 227, 255

 227, 241, 255

 78, 133, 206


 43, 102, 178

 0, 68, 152

 0, 55, 126

 0, 42, 101

 0, 30, 76

 0, 19, 54

 0, 2, 32

 0, 0, 5

 0, 0, 0

■ 78, 133, 206

■ 78, 133, 206

■ 57, 121, 206

■ 99, 145, 206

■ 37, 110, 206

■ 119, 157, 206

■ 16, 98, 206

■ 140, 168, 206

■ 0, 88, 206

■ 160, 180, 206

■ 181, 192, 206

■ 202, 204, 206

■ 222, 211, 206

■ 243, 218, 206

■ 255, 226, 206

Harmonies

Analogous

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



71, 126, 183



78, 133, 206



115, 150, 217

Triad

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



78, 133, 206



213, 143, 171



111, 168, 118

Complementary

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



78, 133, 206



206, 121, 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.



156, 189, 108



78, 133, 206



218, 143, 143

Square

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



78, 133, 206



191, 149, 197



209, 163, 120



128, 174, 173

Rectangle

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



78, 133, 206



143, 158, 217



209, 163, 120



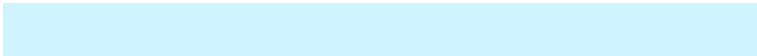
113, 170, 108

Sweetspot

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



78, 133, 206



207, 228, 255



78, 182, 206



98, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



78, 133, 206



64, 146, 255



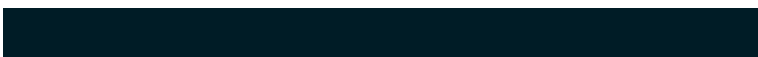
78, 105, 206



92, 96, 102



0, 71, 166



0, 16, 38

Inverse Universe

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



206, 78, 174



255, 64, 208



124, 206, 78



102, 92, 99



166, 0, 125



38, 0, 29

Previews

White Background



This preview shows how the RYB color 78, 133, 206 looks on a white background.

Color Contrast Check

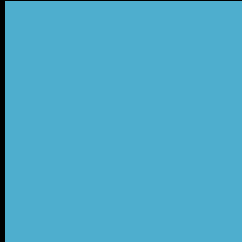
Large Text (above 18pt) WCAG AA × Fail

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, 133, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

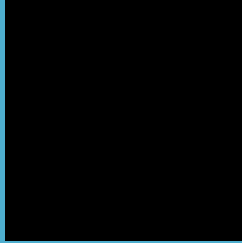
Any Text WCAG AA ✓ Pass

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, 133, 206 Background



This preview shows how black text looks on a background with the RYB color 78, 133, 206.

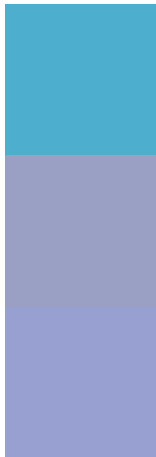


This preview shows how white text looks on a background with the RYB color 78, 133, 206.

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](#).

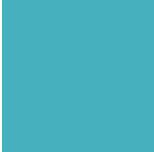
Dichromacy



Original Color
78, 133, 206

Protanopia
154, 159, 196

Deuteranopia
152, 158, 209



Tritanopia
71, 127, 191

Trichromacy



Original Color

78, 133, 206



Protanomaly

126, 152, 200



Deuteranomaly

125, 152, 208



Tritanomaly

74, 130, 196

Monochromacy



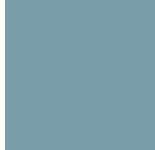
Original Color

78, 133, 206



Achromatopsia

149, 149, 149



Achromatomaly

123, 143, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 133, 206 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, 174, 206)` looks like.

```
.text, #text, p{  
    color:rgb(78, 174, 206)  
}
```

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, 174, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 174, 206) }
```

Border

The CSS property to change the border of an element to RYB 78, 133, 206 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, 174, 206) }
```

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

```
.border{ border-color:rgb(78, 174, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 174, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 174, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 174, 206);  
box-shadow:4px 4px 4px 4px rgb(78, 174,  
206) }
```

Background

The CSS property to change the background color of an element to RGB 78, 133, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 174, 206) }
```

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

```
.background{ background-color: rgb(78, 174,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor