

Converting Colors

`RYB(78, 147, 190)`

Have a look what the booklet for
RYB(78, 147, 190) contains.

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Color

$\text{RYB}(78, 147, 190)$

Conversions

Conversions Part 1

Format	Color
Hex	4EBE94
RGB	78, 190, 148
RGB Percent	31%, 75%, 58%
CMY	0.6941, 0.2549, 0.4204
CMYK	0.59, 0.00, 0.22, 0.25
HSL	157°, 46%, 53%
HSV	157°, 59%, 75%
XYZ	26.8846, 40.5783, 34.3483
YIQ	151.7240, -53.2700, -36.8060

Conversions

Conversions Part 2

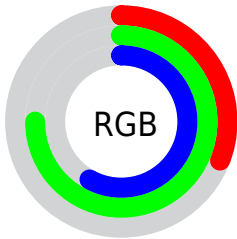
Format	Color
RYB	78, 147, 190
Decimal	5160596
CIELab	69.88, -41.96, 11.92
CIELCh	70, 43.616, 164.140
Yxy	40.5783, 0.2641, 0.3986
Android (android.graphics.Color)	4283350676 (0xFF4EBE94)
YUV	151.7240, -1.8359, -64.6559
Hunter-Lab	63.7011, -36.1423, 12.6210

Details

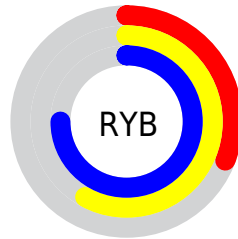
The RYB color **78, 147, 190** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **190, 78, 120**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **136, 206, 247**, and **0, 79, 136** is the 20% darker color. If you saturate the color by 10%, you get **59, 140, 190**, and if you desaturate by 10%, it is **97, 154, 190**.

Distribution



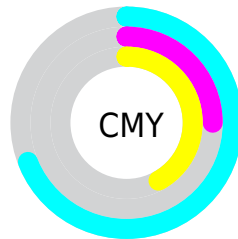
- Red (31%)
- Green (75%)
- Blue (58%)



- Red (31%)
- Yellow (58%)
- Blue (75%)



- Cyan (59%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)




- Cyan (69%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 147, 190 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, 147, 190 by changing the saturation by 10% instead.

 78, 147, 190

255, 255, 255


 136, 206, 247


 165, 217, 255


 194, 225, 255


 224, 240, 255

254, 255, 255

 78, 147, 190

 59, 140, 190

 78, 147, 190

 45, 116, 163

 0, 79, 136


 0, 66, 110


 0, 53, 85

 0, 40, 60

 0, 36, 40

 0, 0, 0

 78, 147, 190

 97, 154, 190

■ 40, 133, 190

■ 116, 162, 190

■ 21, 125, 190

■ 135, 169, 190

■ 2, 118, 190

■ 154, 176, 190

■ 0, 117, 190

■ 173, 183, 190

■ 192, 190, 191

■ 211, 190, 198

■ 230, 190, 205

■ 249, 190, 212

Harmonies

Analogous

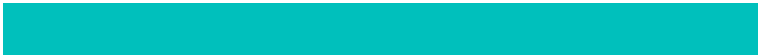
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



112, 184, 163



78, 147, 190



0, 97, 192

Triad

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



78, 147, 190



142, 163, 247



239, 157, 117

Complementary

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



78, 147, 190



190, 78, 120

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.



247, 139, 153



78, 147, 190



199, 153, 228

Square

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



78, 147, 190



59, 133, 246



234, 142, 193



189, 214, 94

Rectangle

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



78, 147, 190



0, 101, 214



234, 142, 193



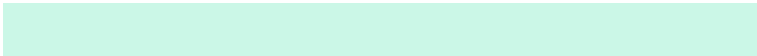
243, 147, 128

Sweetspot

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



78, 147, 190



203, 230, 247



78, 190, 147



97, 114, 125



252, 252, 252



125, 125, 125

Same Dimension

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



78, 147, 190



72, 180, 247



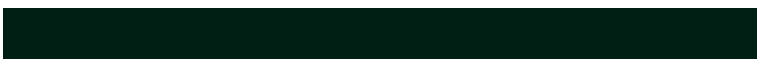
78, 131, 190



85, 90, 94



0, 97, 158



0, 19, 31

Inverse Universe

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



190, 78, 120



247, 72, 138



190, 93, 78



94, 85, 88



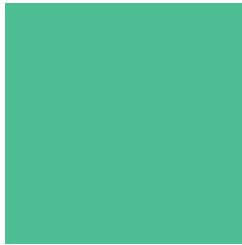
158, 0, 60



31, 0, 12

Previews

White Background



This preview shows how the RYB color 78, 147, 190 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, 147, 190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

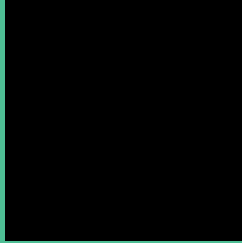
Any Text WCAG AA ✓ Pass

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, 147, 190 Background



This preview shows how black text looks on a background with the RYB color 78, 147, 190.

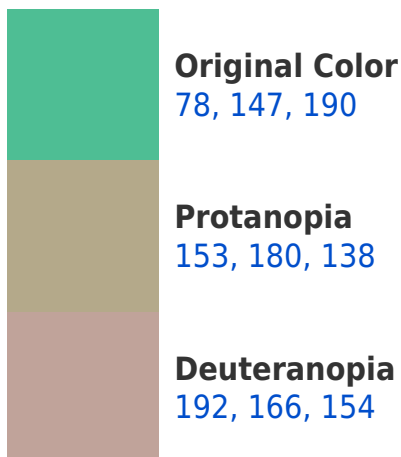


This preview shows how white text looks on a background with the RYB color 78, 147, 190.

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





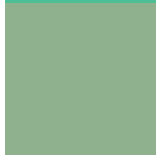
Tritanopia
95, 142, 198

Trichromacy



Original Color

78, 147, 190



Protanomaly

142, 177, 176



Deuteranomaly

151, 172, 173



Tritanomaly

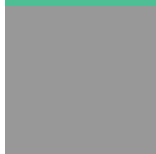
89, 139, 186

Monochromacy



Original Color

78, 147, 190



Achromatopsia

152, 152, 152



Achromatomaly

125, 150, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 147, 190 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, 190, 148)` looks like.

```
.text, #text, p{  
    color:rgb(78, 190, 148)  
}
```

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, 190, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 190, 148) }
```

Border

The CSS property to change the border of an element to RYB 78, 147, 190 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, 190, 148) }
```

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

```
.border{ border-color:rgb(78, 190, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 190, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 190, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 190, 148);  
box-shadow:4px 4px 4px 4px rgb(78, 190,  
148) }
```

Background

The CSS property to change the background color of an element to RGB 78, 190, 148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 190, 148) }
```

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

```
.background{ background-color: rgb(78, 190,  
148) }
```

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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