

Converting Colors

`RYB(78, 201, 132)`

Have a look what the booklet for
RYB(78, 201, 132) contains.

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Color

R_YB(78, 201, 132)

Conversions

Conversions Part 1

Format	Color
Hex	93C94E
RGB	147, 201, 78
RGB Percent	58%, 79%, 31%
CMY	0.4235, 0.2118, 0.6941
CMYK	0.27, 0.00, 0.61, 0.21
HSL	86°, 53%, 55%
HSV	86°, 61%, 79%
XYZ	34.2944, 48.5264, 14.7668
YIQ	170.8320, 7.2990, -49.7010

Conversions

Conversions Part 2

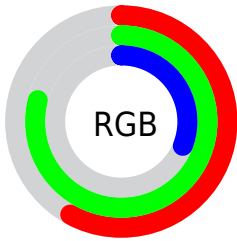
Format	Color
RYB	78, 201, 132
Decimal	9685326
CIELab	75.16, -36.96, 54.41
CIELCh	75, 65.773, 124.184
Yxy	48.5264, 0.3514, 0.4973
Android (android.graphics.Color)	4287875406 (0xFF93C94E)
YUV	170.8320, -45.7662, -20.9007
Hunter-Lab	69.6609, -34.0301, 36.1943

Details

The RYB color **78, 201, 132** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **132, 78, 201**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **132, 255, 183**, and **20, 147, 75** is the 20% darker color. If you saturate the color by 10%, you get **58, 201, 121**, and if you desaturate by 10%, it is **98, 201, 143**.

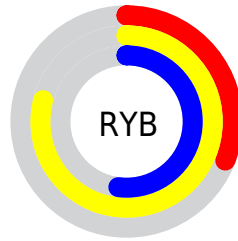
Distribution



Red (58%)

Green (79%)

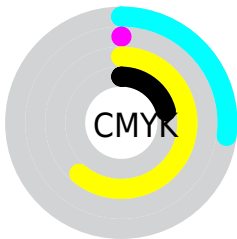
Blue (31%)



Red (31%)

Yellow (79%)

Blue (52%)

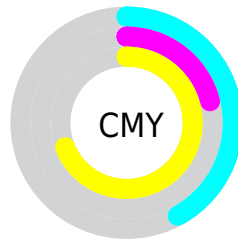


Cyan (27%)

Magenta (0%)

Yellow (61%)

Black (21%)



Cyan (42%)

Magenta (21%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 201, 132 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, 201, 132 by changing the saturation by 10% instead.

 78, 201, 132

255, 255, 255

 132, 255, 183


 159, 255, 181


 187, 255, 187


 215, 255, 215

 244, 255, 244

 78, 201, 132

 51, 173, 105

 20, 147, 75

 0, 121, 56

 0, 95, 58

 0, 71, 71

 0, 48, 48

 0, 27, 27

 0, 0, 0

 78, 201, 132

 78, 201, 132

■ 58, 201, 121

■ 98, 201, 143

■ 38, 201, 110

■ 118, 201, 154

■ 18, 201, 98

■ 138, 201, 166

■ 0, 201, 88

■ 158, 201, 177

■ 179, 201, 189

■ 199, 201, 200

■ 209, 201, 219

■ 218, 201, 239

■ 226, 201, 255

Harmonies

Analogous

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



83, 210, 53



78, 201, 132



44, 154, 211

Triad

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



78, 201, 132



0, 114, 255



255, 129, 179

Complementary

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



78, 201, 132



132, 78, 201

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, 141, 239



78, 201, 132



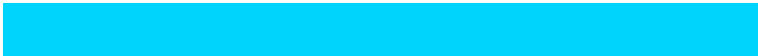
66, 141, 255

Square

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



78, 201, 132



0, 115, 252



199, 165, 255



255, 143, 120

Rectangle

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



78, 201, 132



0, 119, 214



199, 165, 255



255, 131, 200

Sweetspot

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



78, 201, 132



209, 255, 229



201, 171, 78



99, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



78, 201, 132



69, 255, 151



78, 201, 193



90, 99, 94



0, 163, 71



0, 36, 16

Inverse Universe

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



132, 78, 201



151, 69, 255



193, 78, 201



94, 90, 99



72, 0, 163



16, 0, 36

Previews

White Background



This preview shows how the RYB color 78, 201, 132 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, 201, 132 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, 201, 132 Background



This preview shows how black text looks on a background with the RYB color 78, 201, 132.

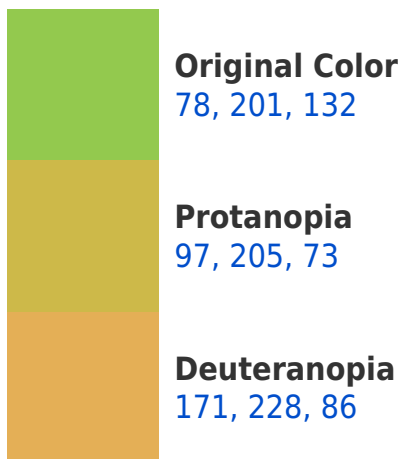


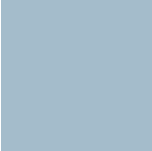
This preview shows how white text looks on a background with the RYB color 78, 201, 132.

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
164, 179, 203

Trichromacy



Original Color

78, 201, 132



Protanomaly

75, 191, 82



Deuteranomaly

100, 199, 83



Tritanomaly

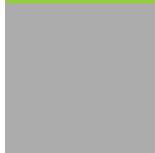
158, 193, 193

Monochromacy



Original Color

78, 201, 132



Achromatopsia

171, 171, 171



Achromatomaly

137, 182, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 201, 132 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(147, 201, 78)` looks like.

```
.text, #text, p{  
    color:rgb(147, 201, 78)  
}
```

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(147, 201, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 201, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 201, 132 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(147, 201, 78) }
```

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

```
.border{ border-color:rgb(147, 201, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 201, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 201, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 201, 78);  
box-shadow:4px 4px 4px 4px rgb(147, 201,  
78) }
```

Background

The CSS property to change the background color of an element to RYB 78, 201, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 201, 78) }
```

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

```
.background{ background-color: rgb(147,  
201, 78) }
```

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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