

Converting Colors

`RYB(93, 175, 140)`

Have a look what the booklet for
RYB(93, 175, 140) contains.

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Color

RYB(93, 175, 140)

Conversions

Conversions Part 1

Format	Color
Hex	80AF5D
RGB	128, 175, 93
RGB Percent	50%, 69%, 36%
CMY	0.4980, 0.3137, 0.6353
CMYK	0.27, 0.00, 0.47, 0.31
HSL	94°, 34%, 53%
HSV	94°, 47%, 69%
XYZ	26.2078, 36.0395, 15.9309
YIQ	151.5990, -1.6900, -35.4660

Conversions

Conversions Part 2

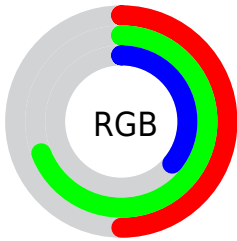
Format	Color
RYB	93, 175, 140
Decimal	8433501
CIELab	66.55, -30.38, 36.94
CIElCh	67, 47.829, 129.436
Yxy	36.0395, 0.3352, 0.4610
Android (android.graphics.Color)	4286623581 (0xFF80AF5D)
YUV	151.5990, -28.8893, -20.6963
Hunter-Lab	60.0329, -27.1319, 26.2892

Details

The RYB color **93, 175, 140** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **140, 93, 175**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **145, 231, 193**, and **44, 122, 90** is the 20% darker color. If you saturate the color by 10%, you get **75, 175, 132**, and if you desaturate by 10%, it is **111, 175, 148**.

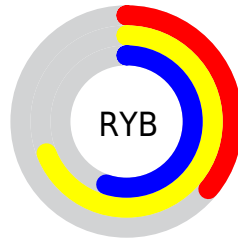
Distribution



Red (50%)

Green (69%)

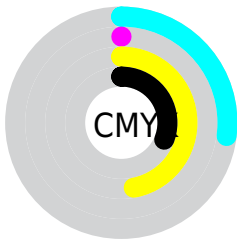
Blue (36%)



Red (36%)

Yellow (69%)

Blue (55%)

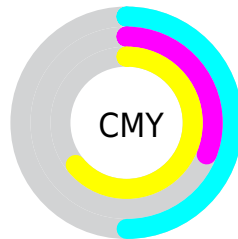


Cyan (27%)

Magenta (0%)

Yellow (47%)

Black (31%)



Cyan (50%)


Magenta (31%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the RYB color 93, 175, 140 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 93, 175, 140 by changing the saturation by 10% instead.


 93, 175, 140

 93, 175, 140

255, 255, 255

 68, 148, 114

 145, 231, 193

 44, 122, 90

 172, 255, 216

 19, 97, 66

 199, 255, 214


 0, 73, 49


 228, 255, 228


 0, 50, 50


 0, 31, 31


 0, 0, 0

 93, 175, 140


 93, 175, 140

 75, 175, 132


 111, 175, 148

 58, 175, 125

 128, 175, 155

 41, 175, 118

 146, 175, 163

 23, 175, 110

 163, 175, 170

 5, 175, 102


 178, 175, 180

 0, 175, 100

 188, 175, 198

 198, 175, 215

 208, 175, 233

 218, 175, 251

Harmonies

Analogous

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



85, 174, 74



93, 175, 140



65, 140, 182

Triad

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



93, 175, 140



0, 101, 242



243, 126, 150

Complementary

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



93, 175, 140



140, 93, 175

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.



225, 131, 193



93, 175, 140



114, 149, 247

Square

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



93, 175, 140



0, 99, 215



183, 145, 229



237, 140, 109

Rectangle

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



93, 175, 140



0, 98, 184



183, 145, 229



240, 126, 164

Sweetspot

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



93, 175, 140



195, 227, 213



157, 175, 93



95, 115, 106



242, 242, 242



115, 115, 115

Same Dimension

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



93, 175, 140



100, 227, 173



93, 170, 175



78, 87, 83



0, 150, 86



0, 23, 13

Inverse Universe

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



140, 93, 175



173, 100, 227



175, 93, 170



83, 78, 87



86, 0, 150



13, 0, 23

Previews

White Background



This preview shows how the RYB color 93, 175, 140 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 93, 175, 140 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 93, 175, 140 Background



This preview shows how black text looks on a background with the RYB color 93, 175, 140.

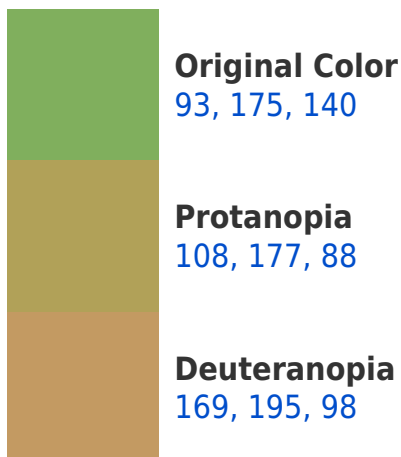


This preview shows how white text looks on a background with the RYB color 93, 175, 140.

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
141, 156, 179

Trichromacy



Original Color
93, 175, 140

Protanomaly
90, 166, 97

Deuteranomaly
106, 171, 96

Tritanomaly
136, 160, 169

Monochromacy



Original Color
93, 175, 140

Achromatopsia
152, 152, 152

Achromatomaly
131, 160, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 93, 175, 140 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(128, 175, 93)` looks like.

```
.text, #text, p{  
    color:rgb(128, 175, 93)  
}
```

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(128, 175, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 175, 93) }
```

Border

The CSS property to change the border of an element to RYB 93, 175, 140 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(128, 175, 93) }
```

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

```
.border{ border-color:rgb(128, 175, 93) }
```

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

Here you see how a box with a 4 pixel rgb(128, 175, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 175, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 175, 93);  
box-shadow:4px 4px 4px 4px rgb(128, 175,  
93) }
```

Background

The CSS property to change the background color of an element to RGB 93, 175, 140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 175, 93) }
```

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

```
.background{ background-color: rgb(128,  
175, 93) }
```

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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