

Converting Colors

`RYB(150, 175, 172)`

Have a look what the booklet for
RYB(150, 175, 172) contains.

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Color

R_YB(150, 175, 172)

Conversions

Conversions Part 1

Format	Color
Hex	99AF96
RGB	153, 175, 150
RGB Percent	60%, 69%, 59%
CMY	0.4000, 0.3137, 0.4118
CMYK	0.13, 0.00, 0.14, 0.31
HSL	113°, 14%, 64%
HSV	113°, 14%, 69%
XYZ	33.9719, 39.6343, 34.7138
YIQ	165.5720, -5.0870, -12.4390

Conversions

Conversions Part 2

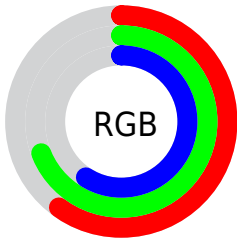
Format	Color
RYB	150, 175, 172
Decimal	10071958
CIELab	69.21, -12.44, 10.28
CIELCh	69, 16.138, 140.424
Yxy	39.6343, 0.3136, 0.3659
Android (android.graphics.Color)	4288262038 (0xFF99AF96)
YUV	165.5720, -7.6770, -11.0256
Hunter-Lab	62.9557, -13.8513, 11.3765

Details

The RYB color **150, 175, 172** is a light color, and the websafe version is hex **999999**. A complement of this color would be **172, 150, 175**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **204, 231, 228**, and **99, 123, 120** is the 20% darker color. If you saturate the color by 10%, you get **133, 175, 170**, and if you desaturate by 10%, it is **168, 175, 175**.

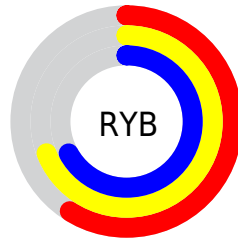
Distribution



Red (60%)

Green (69%)

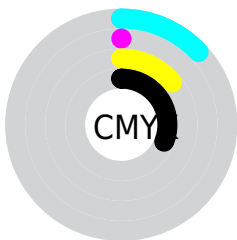
Blue (59%)



Red (59%)

Yellow (69%)

Blue (67%)

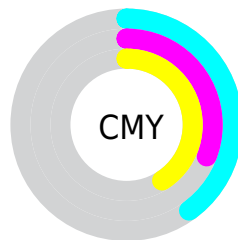


Cyan (13%)

Magenta (0%)

Yellow (14%)

Black (31%)



Cyan (40%)


Magenta (31%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 150, 175, 172 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 150, 175, 172 by changing the saturation by 10% instead.


 150, 175, 172


255, 255, 255

 204, 231, 228


 232, 255, 251


 150, 175, 172

 124, 148, 145

 99, 123, 120

 75, 98, 95

 53, 74, 72


 31, 51, 49

 8, 30, 26

 0, 0, 0

 150, 175, 172


 133, 175, 170

 150, 175, 172


 168, 175, 175

 115, 175, 168


 184, 175, 185


 98, 175, 166


 199, 175, 203

 80, 175, 164


 215, 175, 220

 63, 175, 162


 230, 175, 238

 45, 175, 159

 245, 175, 255

 28, 175, 158

 255, 175, 255

 10, 175, 155

 0, 175, 154

Harmonies

Analogous

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



142, 171, 143



150, 175, 172



138, 161, 177

Triad

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



150, 175, 172



147, 164, 197



200, 159, 159

Complementary

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



150, 175, 172



172, 150, 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.



196, 159, 174



150, 175, 172



166, 167, 196

Square

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



150, 175, 172



134, 158, 191



183, 162, 188



196, 169, 147

Rectangle

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



150, 175, 172



132, 156, 178



183, 162, 188



199, 159, 164

Sweetspot

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



150, 175, 172



218, 227, 226



153, 175, 150



109, 115, 114



242, 242, 242



115, 115, 115

Same Dimension

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



150, 175, 172



188, 227, 222



150, 168, 175



78, 87, 86



0, 150, 132



0, 23, 20

Inverse Universe

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



172, 150, 175



222, 188, 227



175, 150, 166



86, 78, 87



132, 0, 150



20, 0, 23

Previews

White Background



This preview shows how the RYB color 150, 175, 172 looks on a white background.

Color Contrast Check

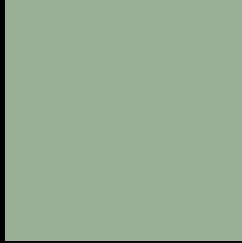
Large Text (above 18pt) WCAG AA × Fail

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 150, 175, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

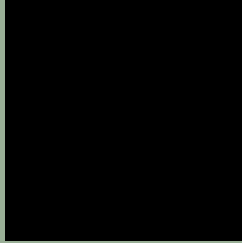
Any Text WCAG AA ✓ Pass

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](#).

R Y B 150, 175, 172 Background



This preview shows how black text looks on a background with the RYB color 150, 175, 172.



This preview shows how white text looks on a background with the RYB color 150, 175, 172.

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
150, 175, 172

Protanopia
160, 177, 147

Deuteranopia
191, 167, 153



Tritanopia
158, 166, 184

Trichromacy



Original Color
150, 175, 172

Protanomaly
148, 171, 151

Deuteranomaly
169, 177, 152

Tritanomaly
156, 164, 172

Monochromacy



Original Color
150, 175, 172

Achromatopsia
166, 166, 166

Achromatomaly
160, 169, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 150, 175, 172 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(153, 175, 150)` looks like.

```
.text, #text, p{  
    color:rgb(153, 175, 150)  
}
```

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(153, 175, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 175, 150) }
```

Border

The CSS property to change the border of an element to RYB 150, 175, 172 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(153, 175, 150) }
```

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

```
.border{ border-color:rgb(153, 175, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 175, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 175, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 175, 150);  
box-shadow:4px 4px 4px 4px rgb(153, 175,  
150) }
```

Background

The CSS property to change the background color of an element to RYB 150, 175, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 175, 150) }
```

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

```
.background{ background-color: rgb(153,  
175, 150) }
```

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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