

Converting Colors

`RYB(102, 173, 166)`

Have a look what the booklet for
RYB(102, 173, 166) contains.

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Color

R_YB(102, 173, 166)

Conversions

Conversions Part 1

Format	Color
Hex	6DAD66
RGB	109, 173, 102
RGB Percent	43%, 68%, 40%
CMY	0.5725, 0.3216, 0.6000
CMYK	0.37, 0.00, 0.41, 0.32
HSL	114°, 30%, 54%
HSV	114°, 41%, 68%
XYZ	23.6485, 34.0977, 17.9055
YIQ	145.7700, -15.3530, -35.6490

Conversions

Conversions Part 2

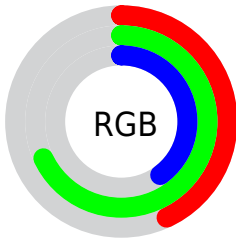
Format	Color
RYB	102, 173, 166
Decimal	7187814
CIELab	65.04, -34.83, 30.15
CIElCh	65, 46.068, 139.120
Yxy	34.0977, 0.3126, 0.4507
Android (android.graphics.Color)	4285377894 (0xFF6DAD66)
YUV	145.7700, -21.5786, -32.2473
Hunter-Lab	58.3932, -29.8978, 22.6948

Details

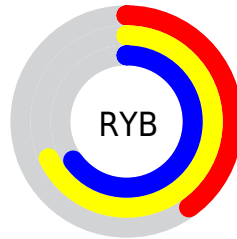
The RYB color **102, 173, 166** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **166, 102, 173**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **154, 229, 220**, and **53, 120, 116** is the 20% darker color. If you saturate the color by 10%, you get **85, 173, 165**, and if you desaturate by 10%, it is **119, 173, 167**.

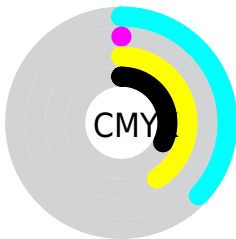
Distribution



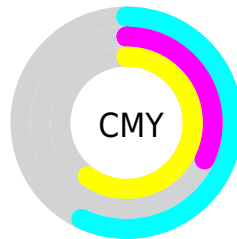
- Red (43%)
- Green (68%)
- Blue (40%)



- Red (40%)
- Yellow (68%)
- Blue (65%)



- Cyan (37%)
- Magenta (0%)
- Yellow (41%)
- Black (32%)



- Cyan (57%)
- Magenta (32%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 173, 166 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 102, 173, 166 by changing the saturation by 10% instead.

 102, 173, 166


255, 255, 255


 154, 229, 220


 181, 255, 245

 209, 255, 245

 237, 255, 243

 102, 173, 166

 77, 146, 140

 53, 120, 116

 29, 94, 95


 0, 65, 71


 0, 47, 47

 0, 26, 26

 0, 0, 0

 102, 173, 166

 85, 173, 165

 102, 173, 166

 119, 173, 167

■ 67, 173, 162

■ 137, 173, 170

■ 50, 173, 161

■ 154, 173, 171

■ 33, 173, 159

■ 171, 173, 173

■ 16, 173, 158

■ 187, 173, 189

■ 0, 173, 156

■ 203, 173, 206

■ 218, 173, 223

■ 234, 173, 240

■ 249, 173, 255

Harmonies

Analogous

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



77, 164, 84



102, 173, 166



34, 117, 178

Triad

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



102, 173, 166



39, 117, 238



236, 125, 133

Complementary

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



102, 173, 166



166, 102, 173

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.



227, 125, 175



102, 173, 166



137, 151, 236

Square

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



102, 173, 166



0, 97, 219



194, 137, 212



224, 151, 97

Rectangle

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



102, 173, 166



0, 92, 179



194, 137, 212



235, 123, 147

Sweetspot

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



102, 173, 166



197, 224, 221



110, 173, 102



96, 112, 110



240, 240, 240



112, 112, 112

Same Dimension

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



102, 173, 166



114, 224, 213



102, 153, 173



78, 87, 86



0, 150, 135



0, 23, 21

Inverse Universe

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



166, 102, 173



214, 114, 224



173, 102, 145



86, 78, 87



136, 0, 150



21, 0, 23

Previews

White Background



This preview shows how the RYB color 102, 173, 166 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 102, 173, 166 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 102, 173, 166 Background



This preview shows how black text looks on a background with the RYB color 102, 173, 166.



This preview shows how white text looks on a background with the RYB color 102, 173, 166.

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
[102, 173, 166](#)

Protanopia
[115, 172, 96](#)

Deuteranopia
[179, 188, 107](#)



Tritanopia
123, 146, 177

Trichromacy



Original Color

102, 173, 166



Protanomaly

98, 163, 112



Deuteranomaly

106, 159, 105



Tritanomaly

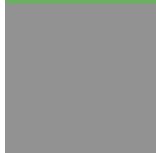
118, 148, 167

Monochromacy



Original Color

102, 173, 166



Achromatopsia

146, 146, 146



Achromatomaly

130, 156, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 173, 166 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(109, 173, 102)` looks like.

```
.text, #text, p{  
    color:rgb(109, 173, 102)  
}
```

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(109, 173, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 173, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 173, 166 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(109, 173, 102) }
```

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

```
.border{ border-color:rgb(109, 173, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 173, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 173, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 173, 102);  
box-shadow:4px 4px 4px 4px rgb(109, 173,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 173, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 173, 102) }
```

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

```
.background{ background-color: rgb(109,  
173, 102) }
```

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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