

Converting Colors

`RYB(105, 171, 158)`

Have a look what the booklet for
RYB(105, 171, 158) contains.

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Color

R_YB(105, 171, 158)

Conversions

Conversions Part 1

Format	Color
Hex	76AB69
RGB	118, 171, 105
RGB Percent	46%, 67%, 41%
CMY	0.5373, 0.3294, 0.5882
CMYK	0.31, 0.00, 0.39, 0.33
HSL	108°, 28%, 54%
HSV	108°, 39%, 67%
XYZ	24.5839, 33.9973, 18.6310
YIQ	147.6290, -10.4020, -31.7620

Conversions

Conversions Part 2

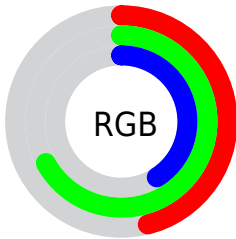
Format	Color
RYB	105, 171, 158
Decimal	7777129
CIELab	64.96, -30.40, 28.55
CIElCh	65, 41.703, 136.790
Yxy	33.9973, 0.3184, 0.4403
Android (android.graphics.Color)	4285967209 (0xFF76AB69)
YUV	147.6290, -21.0161, -25.9846
Hunter-Lab	58.3072, -26.7771, 21.8700

Details

The RYB color **105, 171, 158** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **158, 105, 171**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **157, 227, 212**, and **57, 118, 108** is the 20% darker color. If you saturate the color by 10%, you get **88, 171, 155**, and if you desaturate by 10%, it is **122, 171, 161**.

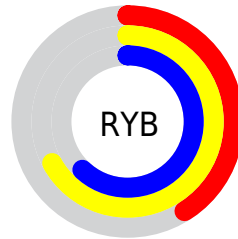
Distribution



Red (46%)

Green (67%)

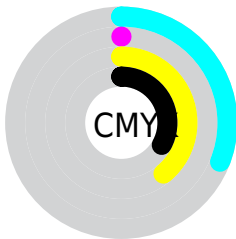
Blue (41%)



Red (41%)

Yellow (67%)

Blue (62%)

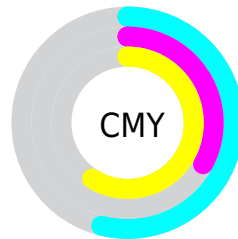


Cyan (31%)

Magenta (0%)

Yellow (39%)

Black (33%)



Cyan (54%)

Magenta (33%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 171, 158 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 105, 171, 158 by changing the saturation by 10% instead.

 105, 171, 158

255, 255, 255


 157, 227, 212


 184, 255, 239

 212, 255, 239

 240, 255, 240

 105, 171, 158

 80, 144, 132

 57, 118, 108

 33, 93, 85


 10, 69, 66

 0, 46, 46


 0, 26, 26


 0, 0, 0

 105, 171, 158


 88, 171, 155


 105, 171, 158


 122, 171, 161


 71, 171, 151


 139, 171, 165

 54, 171, 148

 156, 171, 168


 37, 171, 145

 173, 171, 173

 20, 171, 142


 187, 171, 190

 2, 171, 137

 200, 171, 208

 0, 171, 137

 214, 171, 225

 228, 171, 242

 242, 171, 255

Harmonies

Analogous

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



84, 162, 86



105, 171, 158



64, 131, 176

Triad

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



105, 171, 158



59, 125, 230



229, 128, 138

Complementary

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



105, 171, 158



158, 105, 171

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.



219, 129, 176



105, 171, 158



135, 151, 229

Square

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



105, 171, 158



0, 95, 211



188, 140, 209



220, 149, 105

Rectangle

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



105, 171, 158



0, 92, 177



188, 140, 209



228, 127, 150

Sweetspot

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



105, 171, 158



195, 222, 217



121, 171, 105



96, 112, 108



240, 240, 240



112, 112, 112

Same Dimension

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



105, 171, 158



120, 222, 202



105, 156, 171



78, 87, 85



0, 150, 120



0, 23, 18

Inverse Universe

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



158, 105, 171



202, 120, 222



171, 105, 151



85, 78, 87



121, 0, 150



18, 0, 23

Previews

White Background



This preview shows how the RYB color 105, 171, 158 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 105, 171, 158 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 105, 171, 158 Background



This preview shows how black text looks on a background with the RYB color 105, 171, 158.

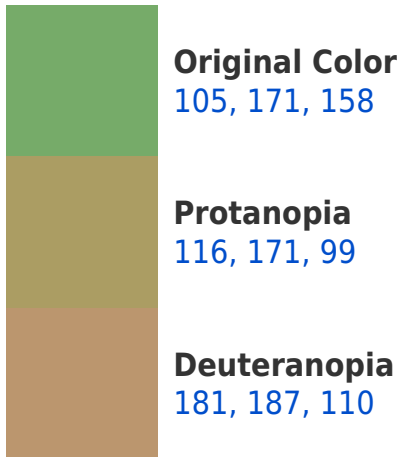


This preview shows how white text looks on a background with the RYB color 105, 171, 158.

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
130, 149, 176

Trichromacy



Original Color
105, 171, 158

Protanomaly
101, 162, 111

Deuteranomaly
112, 162, 108

Tritanomaly
126, 151, 166

Monochromacy



Original Color
105, 171, 158

Achromatopsia
148, 148, 148

Achromatomaly
132, 156, 151

CSS Examples

Text

The CSS property to change the color of the text to RGB 105, 171, 158 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(118, 171, 105)` looks like.

```
.text, #text, p{  
    color:rgb(118, 171, 105)  
}
```

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(118, 171, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 171, 105) }
```

Border

The CSS property to change the border of an element to RYB 105, 171, 158 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(118, 171, 105) }
```

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

```
.border{ border-color:rgb(118, 171, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 171, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 171, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 171, 105);  
box-shadow:4px 4px 4px 4px rgb(118, 171,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 105, 171, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 171, 105) }
```

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

```
.background{ background-color: rgb(118,  
171, 105) }
```

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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