

Converting Colors

`RYB(105, 171, 100)`

Have a look what the booklet for
RYB(105, 171, 100) contains.

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Color

R_YB(105, 171, 100)

Conversions

Conversions Part 1

Format	Color
Hex	ABA664
RGB	171, 166, 100
RGB Percent	67%, 65%, 39%
CMY	0.3294, 0.3477, 0.6078
CMYK	0.00, 0.03, 0.42, 0.33
HSL	56°, 30%, 53%
HSV	56°, 42%, 67%
XYZ	32.7909, 36.9702, 17.4643
YIQ	159.9710, 24.1660, -19.4660

Conversions

Conversions Part 2

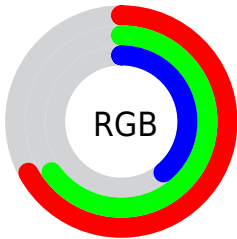
Format	Color
RYB	105, 171, 100
Decimal	11249252
CIELab	67.25, -8.18, 34.88
CIElCh	67, 35.823, 103.197
Yxy	36.9702, 0.3759, 0.4238
Android (android.graphics.Color)	4289439332 (0xFFABA664)
YUV	159.9710, -29.5657, 9.6724
Hunter-Lab	60.8031, -10.1410, 25.5325

Details

The RYB color **105, 171, 100** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **100, 105, 171**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **159, 227, 152**, and **54, 117, 51** is the 20% darker color. If you saturate the color by 10%, you get **89, 171, 83**, and if you desaturate by 10%, it is **121, 171, 117**.

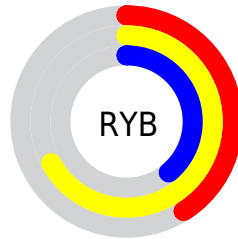
Distribution



Red (67%)

Green (65%)

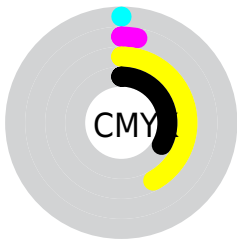
Blue (39%)



Red (41%)

Yellow (67%)

Blue (39%)

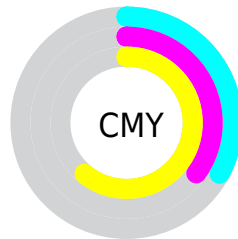


Cyan (0%)

Magenta (3%)

Yellow (42%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 171, 100 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, 100 by changing the saturation by 10% instead.

■ 105, 171, 100

255, 255, 255

■ 159, 227, 152

■ 184, 255, 179

■ 207, 255, 207

■ 235, 255, 235

■ 105, 171, 100

■ 89, 171, 83

■ 105, 171, 100

■ 79, 144, 75

■ 53, 117, 51

■ 30, 92, 28

■ 3, 67, 3

■ 0, 45, 2

■ 0, 25, 7

■ 0, 0, 0

■ 105, 171, 100

■ 121, 171, 117

■ 74, 171, 66

■ 136, 171, 134

■ 58, 171, 49

■ 152, 171, 151

■ 42, 171, 32

■ 168, 171, 168

■ 25, 171, 14

■ 171, 172, 185

■ 12, 171, 0

■ 171, 173, 203

■ 171, 174, 220

■ 171, 175, 237

■ 171, 176, 254

Harmonies

Analogous

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



188, 201, 102



105, 171, 100



116, 175, 156

Triad

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



105, 171, 100



36, 114, 207



215, 141, 183

Complementary

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



105, 171, 100



100, 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.



186, 150, 211



105, 171, 100



86, 139, 225

Square

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



105, 171, 100



51, 117, 181



141, 158, 226



227, 139, 151

Rectangle

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



105, 171, 100



109, 160, 178



141, 158, 226



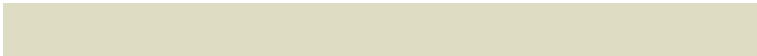
207, 143, 193

Sweetspot

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



105, 171, 100



197, 222, 195



171, 100, 105



97, 112, 96



240, 240, 240



112, 112, 112

Same Dimension

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



105, 171, 100



118, 222, 111



100, 171, 131



79, 87, 78



10, 150, 0



2, 23, 0

Inverse Universe

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



100, 105, 171



111, 118, 222



131, 100, 171



78, 79, 87



0, 9, 150



0, 2, 23

Previews

White Background



This preview shows how the RYB color 105, 171, 100 looks on a white background.

Color Contrast Check

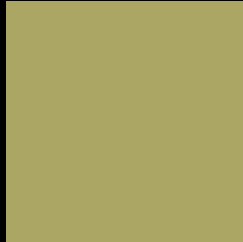
Large Text (above 18pt) WCAG AA × Fail

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, 100 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, 100 Background



This preview shows how black text looks on a background with the RYB color 105, 171, 100.



This preview shows how white text looks on a background with the RYB color 105, 171, 100.

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

105, 171, 100

Protanopia

117, 179, 99

Deuteranopia

177, 198, 102



Tritanopia
179, 158, 170

Trichromacy



Original Color
105, 171, 100

Protanomaly
112, 176, 99

Deuteranomaly
142, 188, 101

Tritanomaly
174, 176, 145

Monochromacy



Original Color
105, 171, 100

Achromatopsia
160, 160, 160

Achromatomaly
140, 164, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 171, 100 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(171, 166, 100)` looks like.

```
.text, #text, p{  
    color:rgb(171, 166, 100)  
}
```

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(171, 166, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 166, 100) }
```

Border

The CSS property to change the border of an element to RYB 105, 171, 100 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(171, 166, 100) }
```

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

```
.border{ border-color:rgb(171, 166, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 166, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 166, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 166, 100);  
box-shadow:4px 4px 4px 4px rgb(171, 166,  
100) }
```

Background

The CSS property to change the background color of an element to RGB 171, 166, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 166, 100) }
```

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

```
.background{ background-color: rgb(171,  
166, 100) }
```

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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