

Converting Colors

`RYB(135, 172, 101)`

Have a look what the booklet for
RYB(135, 172, 101) contains.

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Color

R_YB(135, 172, 101)

Conversions

Conversions Part 1

Format	Color
Hex	AC9565
RGB	172, 149, 101
RGB Percent	67%, 58%, 40%
CMY	0.3255, 0.4156, 0.6039
CMYK	0.00, 0.13, 0.41, 0.33
HSL	41°, 30%, 54%
HSV	41°, 41%, 67%
XYZ	30.1112, 31.2081, 16.7487
YIQ	150.4050, 29.1160, -10.0520

Conversions

Conversions Part 2

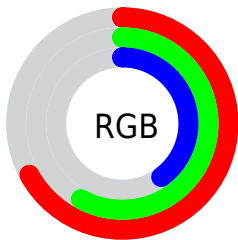
Format	Color
RYB	135, 172, 101
Decimal	11310437
CIELab	62.68, 1.70, 28.50
CIELCh	63, 28.550, 86.583
Yxy	31.2081, 0.3857, 0.3998
Android (android.graphics.Color)	4289500517 (0xFFAC9565)
YUV	150.4050, -24.3567, 18.9388
Hunter-Lab	55.8643, -1.5499, 21.3292

Details

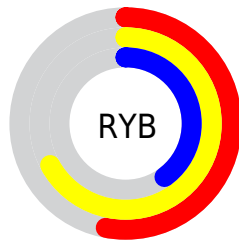
The RYB color **135, 172, 101** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **101, 118, 172**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **191, 229, 152**, and **82, 118, 53** is the 20% darker color. If you saturate the color by 10%, you get **127, 172, 84**, and if you desaturate by 10%, it is **143, 172, 118**.

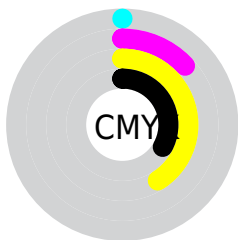
Distribution



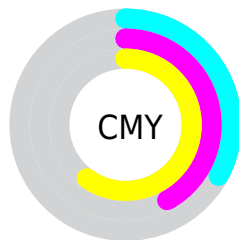
- Red (67%)
- Green (58%)
- Blue (40%)



- Red (53%)
- Yellow (67%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (41%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 172, 101 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 135, 172, 101 by changing the saturation by 10% instead.

 135, 172, 101

255, 255, 255

 191, 229, 152

 214, 255, 179

 207, 255, 207

 235, 255, 235

 135, 172, 101


 110, 145, 77

 82, 118, 53

 55, 92, 31

 30, 68, 8

 18, 44, 0


 18, 14, 0

 0, 0, 0

 135, 172, 101

 127, 172, 84

 135, 172, 101

 143, 172, 118

■ 117, 172, 67

■ 153, 172, 135

■ 108, 172, 49

■ 162, 172, 153

■ 98, 172, 32

■ 172, 172, 170

■ 91, 172, 15

■ 172, 176, 187

■ 83, 172, 0

■ 172, 180, 204

■ 172, 184, 221

■ 172, 189, 239

■ 172, 192, 255

Harmonies

Analogous

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



192, 157, 110



135, 172, 101



106, 157, 117

Triad

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



135, 172, 101



68, 118, 173



181, 138, 180

Complementary

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



135, 172, 101



101, 118, 172

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.



151, 146, 197



135, 172, 101



79, 127, 193

Square

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



135, 172, 101



87, 131, 165



114, 142, 202



199, 133, 156

Rectangle

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



135, 172, 101



116, 161, 151



114, 142, 202



172, 140, 187

Sweetspot

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



135, 172, 101



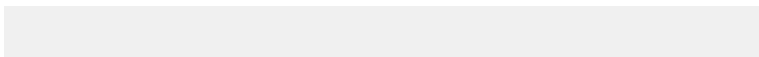
208, 224, 197



172, 101, 125



103, 112, 96



240, 240, 240



112, 112, 112

Same Dimension

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



135, 172, 101



165, 224, 112



101, 172, 113



83, 87, 78



71, 150, 0



10, 23, 0

Inverse Universe

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



101, 118, 172



112, 140, 224



113, 101, 172



78, 80, 87



0, 37, 150



0, 5, 23

Previews

White Background



This preview shows how the RYB color 135, 172, 101 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 135, 172, 101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

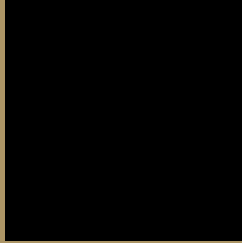
Any Text WCAG AA ✓ Pass

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 135, 172, 101 Background



This preview shows how black text looks on a background with the RYB color 135, 172, 101.



This preview shows how white text looks on a background with the RYB color 135, 172, 101.

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

135, 172, 101

Protanopia

117, 164, 102

Deuteranopia

171, 182, 102



Tritanopia
177, 142, 153

Trichromacy



Original Color
135, 172, 101

Protanomaly
123, 167, 102

Deuteranomaly
157, 178, 102

Tritanomaly
175, 149, 134

Monochromacy



Original Color
135, 172, 101

Achromatopsia
150, 150, 150

Achromatomaly
144, 158, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 172, 101 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(172, 149, 101)` looks like.

```
.text, #text, p{  
    color:rgb(172, 149, 101)  
}
```

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(172, 149, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 149, 101) }
```

Border

The CSS property to change the border of an element to RYB 135, 172, 101 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(172, 149, 101) }
```

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

```
.border{ border-color:rgb(172, 149, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 149, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 149, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 149, 101);  
box-shadow:4px 4px 4px 4px rgb(172, 149,  
101) }
```

Background

The CSS property to change the background color of an element to RYB 135, 172, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 149, 101) }
```

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

```
.background{ background-color: rgb(172,  
149, 101) }
```

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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