

Converting Colors

`RYB(163, 146, 105)`

Have a look what the booklet for
RYB(163, 146, 105) contains.

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Color

R_YB(163, 146, 105)

Conversions

Conversions Part 1

Format	Color
Hex	A38169
RGB	163, 129, 105
RGB Percent	64%, 51%, 41%
CMY	0.3608, 0.4940, 0.5882
CMYK	0.00, 0.21, 0.36, 0.36
HSL	25°, 24%, 53%
HSV	25°, 36%, 64%
XYZ	25.5070, 24.5123, 16.7516
YIQ	136.4300, 27.9680, -0.2560

Conversions

Conversions Part 2

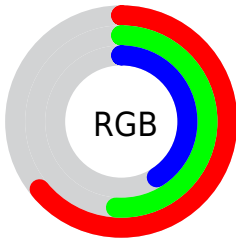
Format	Color
R_{YB}	163, 146, 105
Decimal	10715497
CIE Lab	56.60, 9.59, 18.00
CIE LCh	57, 20.396, 61.948
Yxy	24.5123, 0.3820, 0.3671
Android (android.graphics.Color)	4288905577 (0xFFA38169)
YUV	136.4300, -15.4950, 23.3019
Hunter-Lab	49.5099, 5.3190, 14.5963

Details

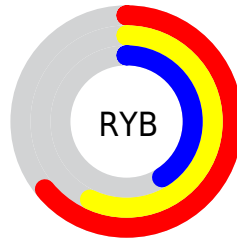
The RYB color **163, 146, 105** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **105, 126, 163**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **219, 200, 156**, and **110, 96, 58** is the 20% darker color. If you saturate the color by 10%, you get **163, 139, 89**, and if you desaturate by 10%, it is **163, 153, 121**.

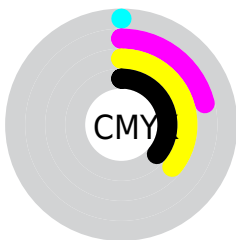
Distribution



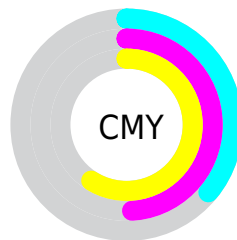
- Red (64%)
- Green (51%)
- Blue (41%)



- Red (64%)
- Yellow (57%)
- Blue (41%)



- Cyan (0%)
- Magenta (21%)
- Yellow (36%)
- Black (36%)



- Cyan (36%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 146, 105 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 163, 146, 105 by changing the saturation by 10% instead.

 163, 146, 105

255, 255, 255


 219, 200, 156

 248, 226, 183

 239, 255, 211

 239, 255, 239

 163, 146, 105


 163, 139, 89

 163, 137, 72

 163, 146, 105

 136, 121, 81

 110, 96, 58

 85, 73, 36

 60, 51, 15

 38, 25, 0

 0, 0, 0

 163, 146, 105

 163, 153, 121

 163, 155, 138

■ 163, 131, 56

■ 163, 161, 154

■ 163, 127, 40

■ 163, 166, 170

■ 163, 122, 23

■ 163, 172, 187

■ 163, 118, 7

■ 163, 178, 203

■ 163, 117, 0

■ 163, 184, 219

■ 163, 190, 235

■ 163, 196, 252

Harmonies

Analogous

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



171, 125, 118



163, 146, 105



118, 148, 100

Triad

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



163, 146, 105



91, 121, 146



140, 131, 166

Complementary

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



163, 146, 105



105, 126, 163

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.



116, 131, 171



163, 146, 105



84, 117, 154

Square

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



163, 146, 105



108, 136, 144



94, 123, 167



160, 125, 153

Rectangle

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



163, 146, 105



103, 139, 107



94, 123, 167



132, 133, 169

Sweetspot

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



163, 146, 105



212, 205, 188



163, 105, 140



107, 104, 93



235, 235, 235



107, 107, 107

Same Dimension

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



163, 146, 105



212, 183, 121



112, 163, 105



82, 80, 73



145, 102, 0



18, 11, 0

Inverse Universe

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



105, 126, 163



121, 154, 212



105, 110, 163



73, 76, 82



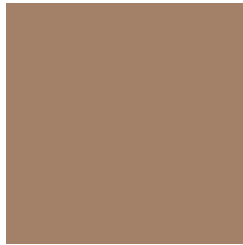
0, 54, 145



0, 6, 18

Previews

White Background



This preview shows how the RYB color 163, 146, 105 looks on a white background.

Color Contrast Check

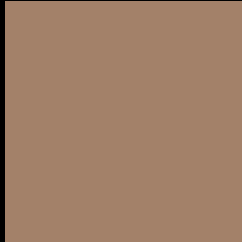
Large Text (above 18pt) WCAG AA ✓ Pass

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 163, 146, 105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

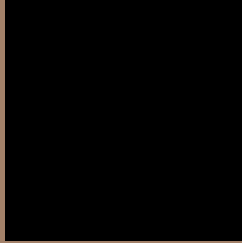
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 163, 146, 105 Background



This preview shows how black text looks on a background with the RYB color 163, 146, 105.



This preview shows how white text looks on a background with the RYB color 163, 146, 105.

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
163, 146, 105

Protanopia
120, 145, 108

Deuteranopia
160, 151, 105



Tritanopia
166, 125, 135

Trichromacy



Original Color
163, 146, 105

Protanomaly
140, 152, 107

Deuteranomaly
161, 150, 105

Tritanomaly
165, 126, 124

Monochromacy



Original Color
163, 146, 105

Achromatopsia
136, 136, 136

Achromatomaly
146, 138, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 146, 105 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(163, 129, 105)` looks like.

```
.text, #text, p{  
    color:rgb(163, 129, 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(163, 129, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 129, 105) }
```

Border

The CSS property to change the border of an element to RYB 163, 146, 105 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(163, 129, 105) }
```

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

```
.border{ border-color:rgb(163, 129, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 129, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 129, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 129, 105);  
box-shadow:4px 4px 4px 4px rgb(163, 129,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 163, 146, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 129, 105) }
```

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

```
.background{ background-color: rgb(163,  
129, 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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