

# Converting Colors

`RYB(221, 173, 154)`

Have a look what the booklet for  
RYB(221, 173, 154) contains.

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# **Color**

**R<sub>Y</sub>B(221, 173, 154)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDA99A
RGB	221, 169, 154
RGB Percent	87%, 66%, 60%
CMY	0.1333, 0.3380, 0.3961
CMYK	0.00, 0.24, 0.30, 0.13
HSL	13°, 50%, 74%
HSV	13°, 30%, 87%
XYZ	49.8027, 46.0077, 36.8273
YIQ	182.8380, 35.8070, 6.3590

# Conversions

## Conversions Part 2

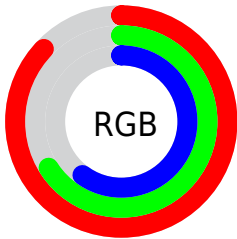
Format	Color
R <sub>Y</sub> B	221, 173, 154
Decimal	14526874
CIE Lab	73.55, 17.10, 15.05
CIE LCh	74, 22.781, 41.347
Yxy	46.0077, 0.3755, 0.3469
Android (android.graphics.Color)	4292716954 (0xFFDDA99A)
YUV	182.8380, -14.2171, 33.4681
Hunter-Lab	67.8290, 12.3612, 15.2891

# Details

The RYB color **221, 173, 154** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **154, 183, 221**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **255, 232, 208**, and **165, 121, 103** is the 20% darker color. If you saturate the color by 10%, you get **221, 158, 132**, and if you desaturate by 10%, it is **221, 189, 176**.

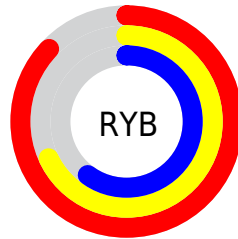
# Distribution



Red (87%)

Green (66%)

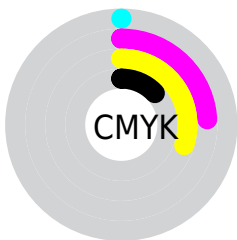
Blue (60%)



Red (87%)

Yellow (68%)

Blue (60%)

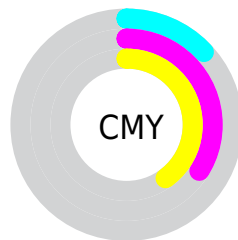


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (13%)



Cyan (13%)

Magenta (34%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 221, 173, 154 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 221, 173, 154 by changing the saturation by 10% instead.



 221, 173, 154

 221, 173, 154

255, 255, 255


 193, 146, 128

 255, 232, 208


 165, 121, 103

 239, 255, 237

 137, 96, 79


 111, 71, 56


 85, 48, 34


 61, 27, 13


 38, 0, 0


 0, 0, 0


 221, 173, 154


 221, 173, 154

 221, 158, 132


 221, 189, 176


 221, 141, 110


 221, 204, 198

 221, 125, 88


 221, 220, 220

 221, 110, 66

 221, 230, 242

 221, 95, 43

 221, 238, 255

 221, 77, 21

 221, 63, 0

# Harmonies

## Analogous

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



224, 166, 173



221, 173, 154



208, 208, 142

# Triad

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



221, 173, 154



142, 175, 192



167, 177, 221

# Complementary

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



221, 173, 154



154, 183, 221

# 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.



140, 169, 220



221, 173, 154



125, 160, 193

# Square

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



221, 173, 154



149, 188, 172



123, 161, 207



194, 173, 212

# Rectangle

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



221, 173, 154



161, 196, 139



123, 161, 207



157, 175, 222

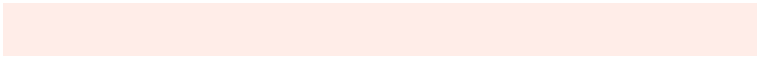


# Sweetspot

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



221, 173, 154



255, 238, 232



221, 154, 206



128, 118, 113



0, 0, 0



128, 128, 128



# Same Dimension

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



221, 173, 154



255, 189, 163



181, 221, 154



110, 101, 99



173, 49, 0



46, 13, 0

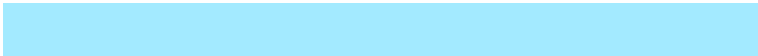


# Inverse Universe

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



154, 183, 221



163, 203, 255



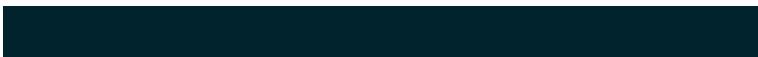
154, 169, 221



99, 104, 110



0, 76, 173



0, 20, 46



# Previews

## White Background



This preview shows how the RYB color 221, 173, 154 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 221, 173, 154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

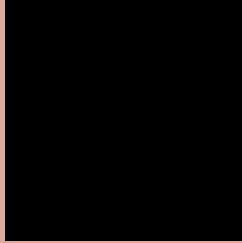
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 221, 173, 154 Background**



This preview shows how black text looks on a background with the RYB color 221, 173, 154.



This preview shows how white text looks on a background with the RYB color 221, 173, 154.

# 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**  
221, 173, 154

**Protanopia**  
173, 189, 160

**Deuteranopia**  
208, 187, 153



**Tritanopia**  
224, 165, 178

# Trichromacy



**Original Color**  
221, 173, 154

**Protanomaly**  
201, 189, 158

**Deuteranomaly**  
213, 181, 153

**Tritanomaly**  
223, 166, 169

# Monochromacy



**Original Color**  
221, 173, 154

**Achromatopsia**  
183, 183, 183

**Achromatomaly**  
197, 180, 172

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 221, 173, 154 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(221, 169, 154)` looks like.

```
.text, #text, p{  
    color:rgb(221, 169, 154)  
}
```

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(221, 169, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 169, 154) }
```

## Border

The CSS property to change the border of an element to RYB 221, 173, 154 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(221, 169, 154) }
```

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

```
.border{ border-color:rgb(221, 169, 154) }
```

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

Here you see how a box with a 4 pixel rgb(221, 169, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 169, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 169, 154);  
box-shadow:4px 4px 4px 4px rgb(221, 169,  
154) }
```

# Background

The CSS property to change the background color of an element to RGB 221, 169, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 169, 154) }
```

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

```
.background{ background-color: rgb(221,  
169, 154) }
```

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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