

# Converting Colors

`RYB(221, 171, 204)`

Have a look what the booklet for RYB(221, 171, 204) contains.

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# Color

**R<sub>Y</sub>B(221, 171, 204)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDABCC
RGB	221, 171, 204
RGB Percent	87%, 67%, 80%
CMY	0.1333, 0.3294, 0.2000
CMYK	0.00, 0.23, 0.08, 0.13
HSL	320°, 42%, 77%
HSV	320°, 23%, 87%
XYZ	55.2808, 48.8576, 63.6436
YIQ	189.7120, 19.2070, 20.8630

# Conversions

## Conversions Part 2

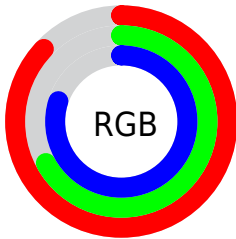
Format	Color
R <sub>Y</sub> B	221, 171, 204
Decimal	14527436
CIE Lab	75.36, 23.56, -9.70
CIE LCh	75, 25.479, 337.621
Yxy	48.8576, 0.3295, 0.2912
Android (android.graphics.Color)	4292717516 (0xFFDDABCC)
YUV	189.7120, 7.0440, 27.4396
Hunter-Lab	69.8982, 18.8494, -5.0559

# Details

The RYB color **221, 171, 204** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **171, 208, 221**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **255, 227, 255**, and **165, 118, 150** is the 20% darker color. If you saturate the color by 10%, you get **221, 149, 196**, and if you desaturate by 10%, it is **221, 193, 212**.

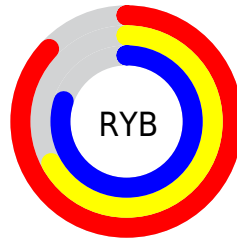
# Distribution



Red (87%)

Green (67%)

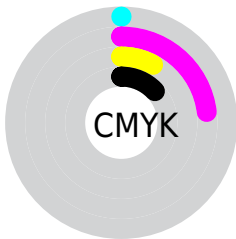
Blue (80%)



Red (87%)

Yellow (67%)

Blue (80%)

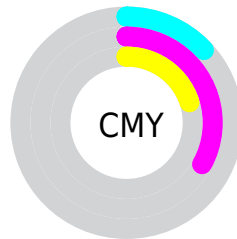


Cyan (0%)

Magenta (23%)

Yellow (8%)

Black (13%)



Cyan (13%)

Magenta (33%)


Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 221, 171, 204 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, 171, 204 by changing the saturation by 10% instead.



 221, 171, 204

255, 255, 255

 255, 227, 255

 221, 171, 204

 193, 144, 177


 165, 118, 150

 139, 93, 124

 113, 69, 99


 88, 46, 75


 64, 24, 53


 41, 1, 31


 7, 0, 4


 0, 0, 0

 221, 171, 204


 221, 171, 204

 221, 149, 196


 221, 193, 212

 221, 127, 189


 221, 215, 219

 221, 105, 181


 221, 233, 237

 221, 83, 174


 221, 246, 255

 221, 60, 166


 221, 242, 255

 221, 38, 159

 221, 240, 255

 221, 16, 151

 221, 238, 255

 221, 0, 146

# Harmonies

## Analogous

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



197, 178, 223



221, 171, 204



233, 169, 180

# Triad

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



221, 171, 204



153, 197, 139



118, 161, 213

# Complementary

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



221, 171, 204



171, 208, 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.



123, 163, 199



221, 171, 204



148, 193, 170

# Square

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



221, 171, 204



218, 209, 143



144, 181, 197



135, 171, 228

# Rectangle

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



221, 171, 204



233, 170, 165



144, 181, 197



118, 160, 206



# Sweetspot

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



221, 171, 204



255, 237, 249



188, 171, 221



128, 117, 124



0, 0, 0



128, 128, 128



# Same Dimension

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



221, 171, 204



255, 186, 232



221, 171, 179



110, 99, 106



173, 0, 114



46, 0, 30



# Inverse Universe

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



221, 171, 204



255, 186, 232



171, 198, 221



110, 99, 106



173, 0, 114

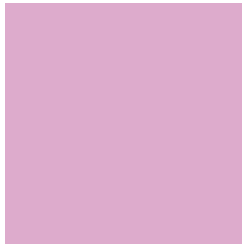


46, 0, 30



# Previews

## White Background



This preview shows how the RYB color 221, 171, 204 looks on a white background.

## Color Contrast Check

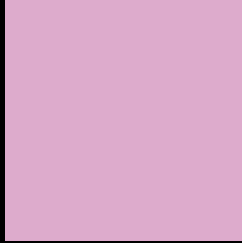
Large Text (above 18pt) WCAG AA × Fail

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, 171, 204 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, 171, 204 Background



This preview shows how black text looks on a background with the RYB color 221, 171, 204.



This preview shows how white text looks on a background with the RYB color 221, 171, 204.

# 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**  
219, 174, 187

# Trichromacy



**Original Color**  
221, 171, 204

**Protanomaly**  
196, 179, 210

**Deuteranomaly**  
205, 177, 203

**Tritanomaly**  
220, 173, 193

# Monochromacy



**Original Color**  
221, 171, 204

**Achromatopsia**  
190, 190, 190

**Achromatomaly**  
201, 183, 195

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 221, 171, 204 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, 171, 204) looks like.

```
.text, #text, p{  
    color:rgb(221, 171, 204)  
}
```

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, 171, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 171, 204) }
```

## Border

The CSS property to change the border of an element to RYB 221, 171, 204 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, 171, 204) }
```

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

```
.border{ border-color:rgb(221, 171, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 171, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 171, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 171, 204);  
box-shadow:4px 4px 4px 4px rgb(221, 171,  
204) }
```

# Background

The CSS property to change the background color of an element to RYB 221, 171, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 171, 204) }
```

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

```
.background{ background-color: rgb(221,  
171, 204) }
```

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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