

Converting Colors

`RYB(221, 171, 228)`

Have a look what the booklet for RYB(221, 171, 228) contains.

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Color

R_YB(221, 171, 228)

Conversions

Conversions Part 1

Format	Color
Hex	DDABE4
RGB	221, 171, 228
RGB Percent	87%, 67%, 89%
CMY	0.1333, 0.3294, 0.1059
CMYK	0.03, 0.25, 0.00, 0.11
HSL	293°, 51%, 78%
HSV	293°, 25%, 89%
XYZ	58.3853, 50.0994, 79.9917
YIQ	192.4480, 11.5030, 28.3270

Conversions

Conversions Part 2

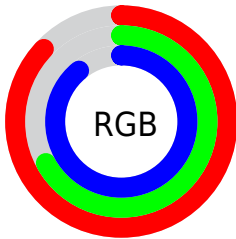
Format	Color
R _Y B	221, 171, 228
Decimal	14527460
CIE Lab	76.13, 27.92, -21.62
CIE LCh	76, 35.313, 322.251
Yxy	50.0994, 0.3098, 0.2658
Android (android.graphics.Color)	4292717540 (0xFFDDABE4)
YUV	192.4480, 17.5271, 25.0401
Hunter-Lab	70.7809, 23.3732, -17.4588

Details

The RYB color **221, 171, 228** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **171, 228, 221**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **255, 227, 255**, and **165, 118, 172** is the 20% darker color. If you saturate the color by 10%, you get **218, 148, 228**, and if you desaturate by 10%, it is **224, 194, 228**.

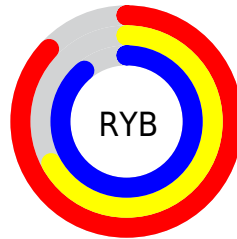
Distribution



Red (87%)

Green (67%)

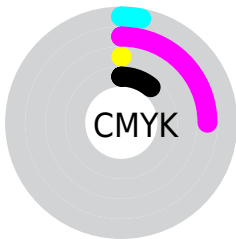
Blue (89%)



Red (87%)

Yellow (67%)

Blue (89%)

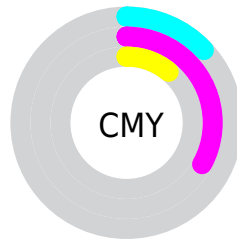


Cyan (3%)

Magenta (25%)

Yellow (0%)

Black (11%)



Cyan (13%)


Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the RYB color 221, 171, 228 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, 228 by changing the saturation by 10% instead.

 221, 171, 228

255, 255, 255

 255, 227, 255

 221, 171, 228

 193, 144, 200

 165, 118, 172

 139, 93, 146

 113, 69, 120

 87, 46, 95

 63, 23, 71

 40, 0, 49

 12, 0, 27

 0, 0, 0

■ 221, 171, 228

■ 221, 171, 228

■ 218, 148, 228

■ 224, 194, 228

■ 215, 125, 228

■ 227, 217, 228

■ 213, 103, 228

■ 228, 239, 238

■ 210, 80, 228

■ 228, 255, 251

■ 207, 57, 228

■ 228, 255, 248

■ 204, 34, 228

■ 228, 255, 245

■ 201, 11, 228

■ 228, 255, 242

■ 200, 0, 228

■ 228, 255, 240

■ 228, 255, 237

Harmonies

Analogous

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



180, 182, 248



221, 171, 228



246, 164, 198

Triad

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



221, 171, 228



178, 218, 123



78, 143, 211

Complementary

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



221, 171, 228



171, 228, 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.



109, 165, 205



221, 171, 228



127, 193, 135

Square

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



221, 171, 228



242, 190, 137



147, 201, 200



86, 151, 238

Rectangle

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



221, 171, 228



252, 163, 175



147, 201, 200



86, 148, 206

Sweetspot

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



221, 171, 228



252, 235, 255



171, 178, 228



126, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 171, 228



246, 179, 255



228, 171, 207



113, 103, 115



157, 0, 179



45, 0, 51

Inverse Universe

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



228, 171, 178



255, 179, 188



171, 213, 228



115, 103, 105



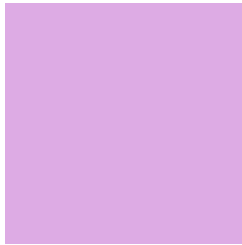
179, 0, 22



51, 0, 6

Previews

White Background



This preview shows how the RYB color 221, 171, 228 looks on a white background.

Color Contrast Check

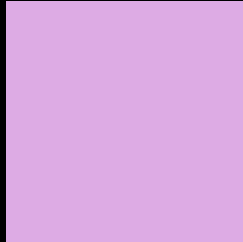
Large Text (above 18pt) WCAG AA × Fail

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, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

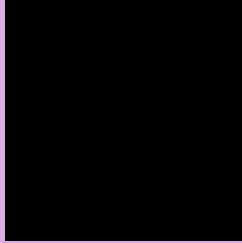
Any Text WCAG AA ✓ Pass

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, 228 Background



This preview shows how black text looks on a background with the RYB color 221, 171, 228.

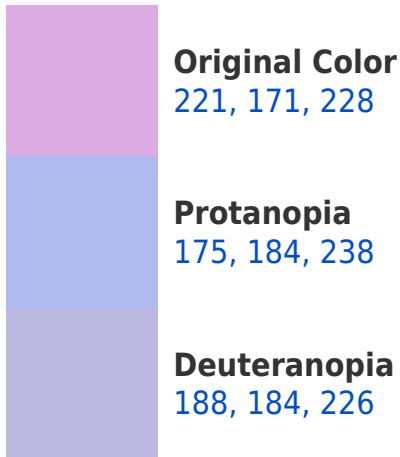



This preview shows how white text looks on a background with the RYB color 221, 171, 228.

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
216, 178, 192

Trichromacy



Original Color
221, 171, 228

Protanomaly
192, 181, 234

Deuteranomaly
200, 179, 227

Tritanomaly
218, 175, 205

Monochromacy



Original Color
221, 171, 228

Achromatopsia
192, 192, 192

Achromatomaly
203, 184, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 171, 228 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(221, 171, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 171, 228) }
```

Border

The CSS property to change the border of an element to RYB 221, 171, 228 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, 228) }
```

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

```
.border{ border-color:rgb(221, 171, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 171, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 171, 228); box-shadow:4px 4px 4px 4px rgb(221, 171, 228) }
```

Background

The CSS property to change the background color of an element to RGB 221, 171, 228 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, 228) }
```

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

```
.background{ background-color: rgb(221,  
171, 228) }
```

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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