

Converting Colors

`RYB(221, 131, 202)`

Have a look what the booklet for
RYB(221, 131, 202) contains.

RYB(221, 131, 202)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(221, 131, 202)$

Conversions

Conversions Part 1

Format	Color
Hex	DD83CA
RGB	221, 131, 202
RGB Percent	87%, 51%, 79%
CMY	0.1333, 0.4863, 0.2078
CMYK	0.00, 0.41, 0.09, 0.13
HSL	313°, 57%, 69%
HSV	313°, 41%, 87%
XYZ	48.5958, 35.8690, 60.2393
YIQ	166.0040, 30.8490, 41.1610

Conversions

Conversions Part 2

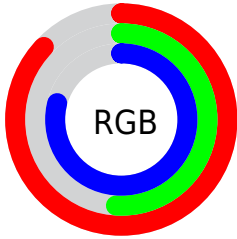
Format	Color
R _Y B	221, 131, 202
Decimal	14517194
CIE Lab	66.42, 44.56, -22.08
CIE LCh	66, 49.728, 333.635
Yxy	35.8690, 0.3358, 0.2479
Android (android.graphics.Color)	4292707274 (0xFFDD83CA)
YUV	166.0040, 17.7460, 48.2315
Hunter-Lab	59.8907, 40.0273, -17.7115

Details

The RYB color **221, 131, 202** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **131, 205, 221**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **255, 186, 255**, and **164, 79, 148** is the 20% darker color. If you saturate the color by 10%, you get **221, 109, 197**, and if you desaturate by 10%, it is **221, 153, 207**.

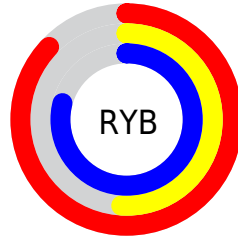
Distribution



Red (87%)

Green (51%)

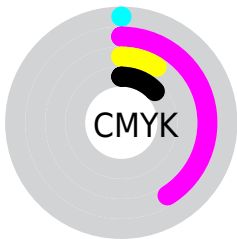
Blue (79%)



Red (87%)

Yellow (51%)

Blue (79%)

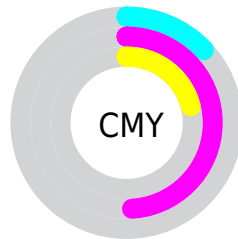


Cyan (0%)

Magenta (41%)

Yellow (9%)

Black (13%)



Cyan (13%)


Magenta (49%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the RYB color 221, 131, 202 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, 131, 202 by changing the saturation by 10% instead.

 221, 131, 202

 221, 131, 202

255, 255, 255

 192, 105, 175

 255, 186, 255

 164, 79, 148

 255, 214, 255

 137, 53, 122

 255, 243, 255

 110, 25, 97


 84, 0, 73

 59, 0, 50

 36, 0, 29

 0, 0, 0

 221, 131, 202

 221, 131, 202

■ 221, 109, 197

■ 221, 153, 207

■ 221, 87, 193

■ 221, 175, 211

■ 221, 65, 188

■ 221, 197, 216

■ 221, 43, 183

■ 221, 219, 221

■ 221, 21, 179

■ 221, 239, 242

■ 221, 0, 174

■ 221, 248, 255

■ 221, 245, 255

■ 221, 243, 255

■ 221, 241, 255

Harmonies

Analogous

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



172, 148, 236



221, 131, 202



244, 123, 158

Triad

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



221, 131, 202



95, 182, 69



0, 98, 210

Complementary

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



221, 131, 202



131, 205, 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.



0, 97, 184



221, 131, 202



84, 173, 121

Square

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



221, 131, 202



219, 200, 81



75, 149, 181



0, 102, 241

Rectangle

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



221, 131, 202



245, 126, 128



75, 149, 181



0, 95, 196

Sweetspot

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



221, 131, 202



255, 224, 249



149, 131, 221



128, 110, 124



0, 0, 0



128, 128, 128

Same Dimension

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



221, 131, 202



255, 130, 229



221, 131, 158



110, 99, 107



173, 0, 137



46, 0, 36

Inverse Universe

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



221, 131, 202



255, 130, 229



131, 184, 221



110, 99, 107



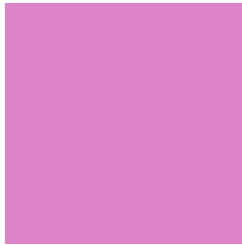
173, 0, 137



46, 0, 36

Previews

White Background



This preview shows how the RYB color 221, 131, 202 looks on a white background.

Color Contrast Check

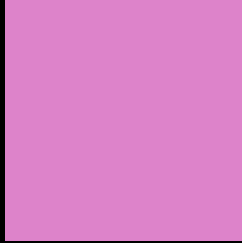
Large Text (above 18pt) WCAG AA × Fail

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, 131, 202 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, 131, 202 Background



This preview shows how black text looks on a background with the RYB color 221, 131, 202.

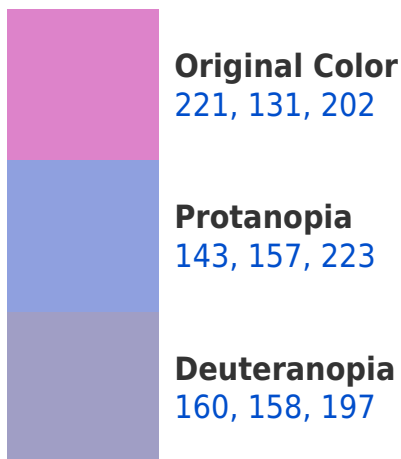



This preview shows how white text looks on a background with the RYB color 221, 131, 202.

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
215, 141, 152

Trichromacy



Original Color

221, 131, 202



Protanomaly

171, 149, 215



Deuteranomaly

182, 148, 199



Tritanomaly

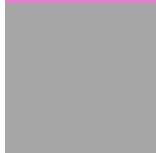
217, 137, 170

Monochromacy



Original Color

221, 131, 202



Achromatopsia

166, 166, 166



Achromatomaly

186, 153, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 131, 202 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, 131, 202)` looks like.

```
.text, #text, p{  
    color:rgb(221, 131, 202)  
}
```

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, 131, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 131, 202) }
```

Border

The CSS property to change the border of an element to RYB 221, 131, 202 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, 131, 202) }
```

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

```
.border{ border-color:rgb(221, 131, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 131, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 131, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 131, 202);  
box-shadow:4px 4px 4px 4px rgb(221, 131,  
202) }
```

Background

The CSS property to change the background color of an element to RGB 221, 131, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 131, 202) }
```

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

```
.background{ background-color: rgb(221,  
131, 202) }
```

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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