

Converting Colors

`RYB(221, 131, 220)`

Have a look what the booklet for
RYB(221, 131, 220) contains.

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Color

R_YB(221, 131, 220)

Conversions

Conversions Part 1

Format	Color
Hex	DD83DC
RGB	221, 131, 220
RGB Percent	87%, 51%, 86%
CMY	0.1333, 0.4863, 0.1373
CMYK	0.00, 0.41, 0.00, 0.13
HSL	301°, 57%, 69%
HSV	301°, 41%, 87%
XYZ	50.8534, 36.7721, 72.1276
YIQ	168.0560, 25.0710, 46.7590

Conversions

Conversions Part 2

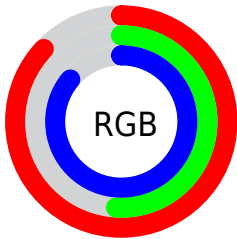
Format	Color
R_{YB}	221, 131, 220
Decimal	14517212
CIE _{Lab}	67.11, 47.70, -31.06
CIE _{LCh}	67, 56.918, 326.928
Yxy	36.7721, 0.3183, 0.2302
Android (android.graphics.Color)	4292707292 (0xFFDD83DC)
YUV	168.0560, 25.6084, 46.4319
Hunter-Lab	60.6400, 43.5722, -28.0739

Details

The RYB color **221, 131, 220** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **131, 220, 221**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **255, 186, 255**, and **164, 78, 165** is the 20% darker color. If you saturate the color by 10%, you get **221, 109, 220**, and if you desaturate by 10%, it is **221, 153, 220**.

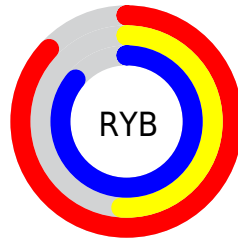
Distribution



Red (87%)

Green (51%)

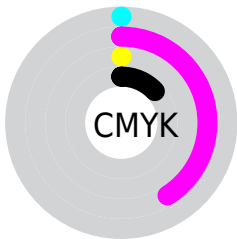
Blue (86%)



Red (87%)

Yellow (51%)

Blue (86%)

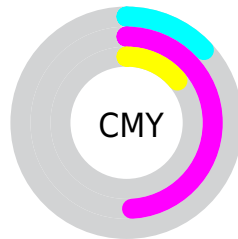


Cyan (0%)

Magenta (41%)

Yellow (0%)

Black (13%)



Cyan (13%)


Magenta (49%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 131, 220 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, 220 by changing the saturation by 10% instead.

 221, 131, 220

 221, 131, 220

255, 255, 255

 192, 104, 192

 255, 186, 255

 164, 78, 165

 255, 214, 255

 137, 52, 138

 255, 243, 255

 110, 24, 112


 84, 0, 88


 58, 0, 64


 36, 0, 42


 0, 1, 19


 0, 0, 0


 221, 131, 220


 221, 131, 220


 221, 109, 220


 221, 153, 220

 221, 87, 220


 221, 175, 220

 221, 65, 219

 221, 197, 221

 221, 43, 219

 221, 219, 221

 221, 21, 219

 221, 242, 242

 221, 0, 219

 221, 255, 255

 221, 254, 255

Harmonies

Analogous

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



156, 152, 255



221, 131, 220



253, 118, 171

Triad

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



221, 131, 220



105, 196, 55



0, 99, 208

Complementary

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



221, 131, 220



131, 220, 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, 103, 188



221, 131, 220



66, 174, 94

Square

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



221, 131, 220



235, 178, 78



78, 162, 184



0, 105, 248

Rectangle

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



221, 131, 220



255, 119, 136



78, 162, 184



0, 95, 192

Sweetspot

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



221, 131, 220



255, 224, 255



131, 131, 221



128, 110, 127



0, 0, 0



128, 128, 128

Same Dimension

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



221, 131, 220



255, 130, 254



221, 131, 176



110, 99, 110



173, 0, 171



46, 0, 45

Inverse Universe

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



221, 131, 220



255, 130, 254



131, 191, 221



110, 99, 110



173, 0, 171



46, 0, 45

Previews

White Background



This preview shows how the RYB color 221, 131, 220 looks on a white background.

Color Contrast Check

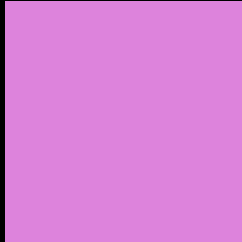
Large Text (above 18pt) WCAG AA × Fail

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, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

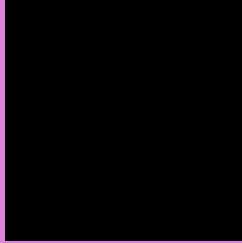
Any Text WCAG AA ✓ Pass

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, 220 Background



This preview shows how black text looks on a background with the RYB color 221, 131, 220.

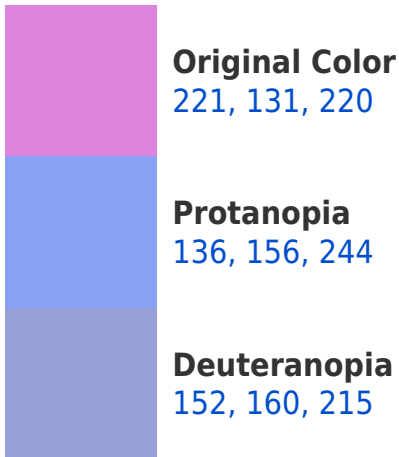


This preview shows how white text looks on a background with the RYB color 221, 131, 220.

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
213, 145, 156

Trichromacy



Original Color

221, 131, 220



Protanomaly

167, 150, 235



Deuteranomaly

177, 150, 217



Tritanomaly

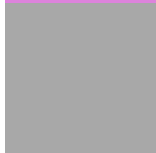
216, 140, 179

Monochromacy



Original Color

221, 131, 220



Achromatopsia

168, 168, 168



Achromatomaly

187, 155, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 131, 220 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(221, 131, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 131, 220) }
```

Border

The CSS property to change the border of an element to RYB 221, 131, 220 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, 220) }
```

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

```
.border{ border-color:rgb(221, 131, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 131, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 131, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 131,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 221, 131, 220 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, 220) }
```

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

```
.background{ background-color: rgb(221,  
131, 220) }
```

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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