

Converting Colors

`RYB(221, 130, 242)`

Have a look what the booklet for RYB(221, 130, 242) contains.

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Color

R_YB(221, 130, 242)

Conversions

Conversions Part 1

Format	Color
Hex	DD82F2
RGB	221, 130, 242
RGB Percent	87%, 51%, 95%
CMY	0.1333, 0.4902, 0.0510
CMYK	0.09, 0.46, 0.00, 0.05
HSL	289°, 81%, 73%
HSV	289°, 46%, 95%
XYZ	53.8284, 37.7482, 88.4535
YIQ	169.9770, 18.2840, 54.1240

Conversions

Conversions Part 2

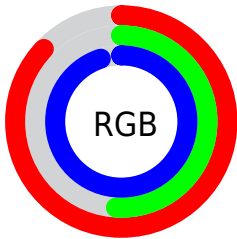
Format	Color
R _Y B	221, 130, 242
Decimal	14516978
CIE Lab	67.83, 52.32, -42.07
CIE LCh	68, 67.139, 321.196
Yxy	37.7482, 0.2990, 0.2097
Android (android.graphics.Color)	4292707058 (0xFFDD82F2)
YUV	169.9770, 35.5073, 44.7472
Hunter-Lab	61.4396, 48.8681, -42.3510

Details

The RYB color **221, 130, 242** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **130, 242, 221**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **255, 185, 255**, and **164, 77, 185** is the 20% darker color. If you saturate the color by 10%, you get **216, 106, 242**, and if you desaturate by 10%, it is **226, 154, 242**.

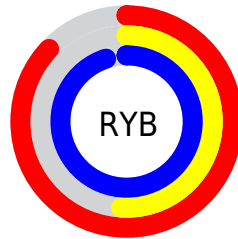
Distribution



Red (87%)

Green (51%)

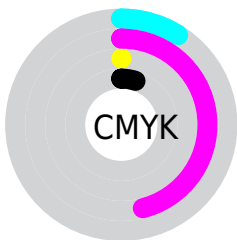
Blue (95%)



Red (87%)

Yellow (51%)

Blue (95%)

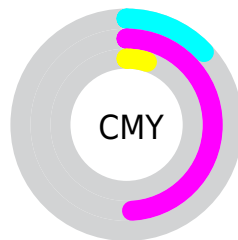


Cyan (9%)

Magenta (46%)

Yellow (0%)

Black (5%)



Cyan (13%)


Magenta (49%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the RYB color 221, 130, 242 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, 130, 242 by changing the saturation by 10% instead.

 221, 130, 242

 221, 130, 242


255, 255, 255

 192, 103, 213

 255, 185, 255

 164, 77, 185

 255, 214, 255

 136, 50, 158

 255, 243, 255

 109, 20, 132

 82, 0, 106

 56, 0, 81

 33, 0, 58

 0, 2, 35

 0, 0, 9

■ 221, 130, 242

■ 221, 130, 242

■ 216, 106, 242

■ 226, 154, 242

■ 212, 82, 242

■ 230, 178, 242

■ 207, 57, 242

■ 235, 203, 242

■ 203, 33, 242

■ 239, 227, 242

■ 198, 9, 242

■ 242, 251, 249

■ 197, 0, 242

■ 242, 255, 249

■ 242, 255, 244

■ 242, 255, 242

Harmonies

Analogous

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



132, 153, 255



221, 130, 242



255, 109, 186

Triad

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



221, 130, 242



110, 211, 31



0, 100, 207

Complementary

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



221, 130, 242



130, 242, 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, 110, 193



221, 130, 242



37, 175, 57

Square

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



221, 130, 242



253, 161, 71



77, 180, 187



0, 109, 255

Rectangle

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



221, 130, 242



255, 107, 145



77, 180, 187



0, 99, 194

Sweetspot

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



221, 130, 242



248, 219, 255



130, 148, 242



123, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 130, 242



228, 112, 255



242, 130, 208



118, 108, 120



149, 0, 184



46, 0, 56

Inverse Universe

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



242, 130, 151



255, 112, 139



130, 216, 242



120, 108, 110



184, 0, 34



56, 0, 11

Previews

White Background



This preview shows how the RYB color 221, 130, 242 looks on a white background.

Color Contrast Check

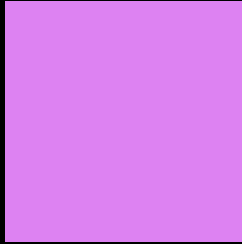
Large Text (above 18pt) WCAG AA × Fail

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, 130, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

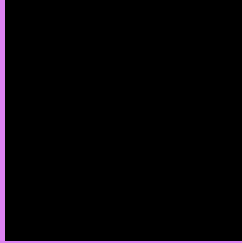
Any Text WCAG AA ✓ Pass

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, 130, 242 Background



This preview shows how black text looks on a background with the RYB color 221, 130, 242.

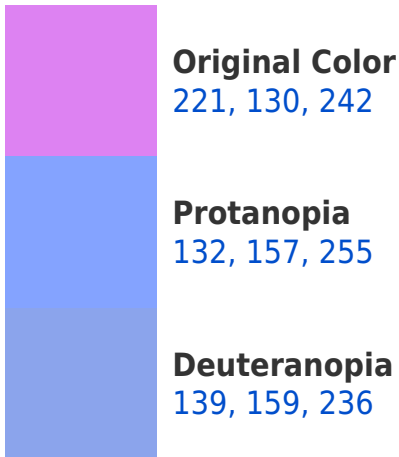


This preview shows how white text looks on a background with the RYB color 221, 130, 242.

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
210, 149, 160

Trichromacy



Original Color

221, 130, 242



Protanomaly

164, 151, 250



Deuteranomaly

169, 152, 238



Tritanomaly

214, 142, 190

Monochromacy



Original Color

221, 130, 242



Achromatopsia

170, 170, 170



Achromatomaly

189, 155, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 130, 242 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, 130, 242) looks like.

```
.text, #text, p{  
    color:rgb(221, 130, 242)  
}
```

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, 130, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 130, 242) }
```

Border

The CSS property to change the border of an element to RYB 221, 130, 242 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, 130, 242) }
```

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

```
.border{ border-color:rgb(221, 130, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 130, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 130, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 130, 242);  
box-shadow:4px 4px 4px 4px rgb(221, 130,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 221, 130, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 130, 242) }
```

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

```
.background{ background-color: rgb(221,  
130, 242) }
```

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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