

Converting Colors

`RYB(221, 136, 214)`

Have a look what the booklet for
RYB(221, 136, 214) contains.

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Color

$\text{RYB}(221, 136, 214)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DD88D6 |
| RGB | 221, 136, 214 |
| RGB Percent | 87%, 53%, 84% |
| CMY | 0.1333, 0.4667, 0.1608 |
| CMYK | 0.00, 0.38, 0.03, 0.13 |
| HSL | 305°, 56%, 70% |
| HSV | 305°, 38%, 87% |
| XYZ | 50.7606, 37.8355, 68.2459 |
| YIQ | 170.3070, 25.6220, 42.2780 |

Conversions

Conversions Part 2

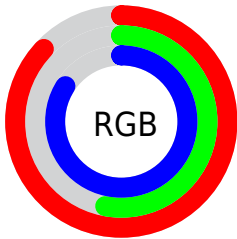
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 221, 136, 214 |
| Decimal | 14518486 |
| CIE Lab | 67.90, 44.03, -26.51 |
| CIE LCh | 68, 51.392, 328.951 |
| Yxy | 37.8355, 0.3236, 0.2412 |
| Android (android.graphics.Color) | 4292708566 (0xFFDD88D6) |
| YUV | 170.3070, 21.5406, 44.4578 |
| Hunter-Lab | 61.5106, 39.6606, -22.7248 |

Details

The RYB color **221, 136, 214** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **136, 215, 221**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **255, 191, 255**, and **164, 84, 159** is the 20% darker color. If you saturate the color by 10%, you get **221, 114, 212**, and if you desaturate by 10%, it is **221, 158, 216**.

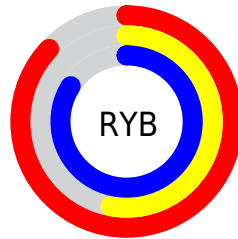
Distribution



Red (87%)

Green (53%)

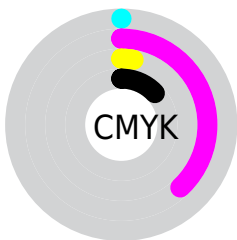
Blue (84%)



Red (87%)

Yellow (53%)

Blue (84%)

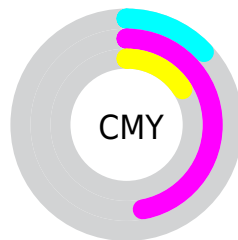


Cyan (0%)

Magenta (38%)

Yellow (3%)

Black (13%)



Cyan (13%)


Magenta (47%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the RYB color 221, 136, 214 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, 136, 214 by changing the saturation by 10% instead.

 221, 136, 214

 221, 136, 214

255, 255, 255

 192, 110, 186

 255, 191, 255

 164, 84, 159

 255, 219, 255

 137, 58, 133

 255, 248, 255

 110, 32, 107


 84, 0, 83


 59, 0, 59


 38, 0, 38


 0, 1, 13


 0, 0, 0


 221, 136, 214


 221, 136, 214

 221, 114, 212


 221, 158, 216

 221, 92, 210


 221, 180, 218

 221, 70, 209


 221, 202, 219

 221, 48, 207


 221, 224, 224

 221, 25, 205

 221, 245, 247

 221, 3, 203

 221, 251, 255

 221, 0, 203

 221, 250, 255

 221, 249, 255

 221, 248, 255

Harmonies

Analogous

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



165, 154, 247



221, 136, 214



249, 126, 169

Triad

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



221, 136, 214



112, 194, 69



0, 99, 209

Complementary

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



221, 136, 214



136, 215, 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, 102, 189



221, 136, 214



81, 176, 110

Square

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



221, 136, 214



230, 186, 86



87, 163, 185



0, 104, 244

Rectangle

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



221, 136, 214



252, 127, 138



87, 163, 185



0, 96, 194

Sweetspot

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



221, 136, 214



255, 224, 252



142, 136, 221



128, 110, 126



0, 0, 0



128, 128, 128

Same Dimension

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



221, 136, 214



255, 138, 245



221, 136, 173



110, 99, 109



173, 0, 159



46, 0, 42

Inverse Universe

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



221, 136, 214



255, 138, 245



136, 190, 221



110, 99, 109



173, 0, 159



46, 0, 42

Previews

White Background



This preview shows how the RYB color 221, 136, 214 looks on a white background.

Color Contrast Check

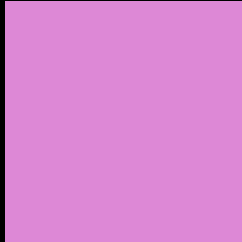
Large Text (above 18pt) WCAG AA × Fail

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, 136, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

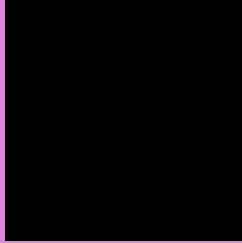
Any Text WCAG AA ✓ Pass

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, 136, 214 Background



This preview shows how black text looks on a background with the RYB color 221, 136, 214.

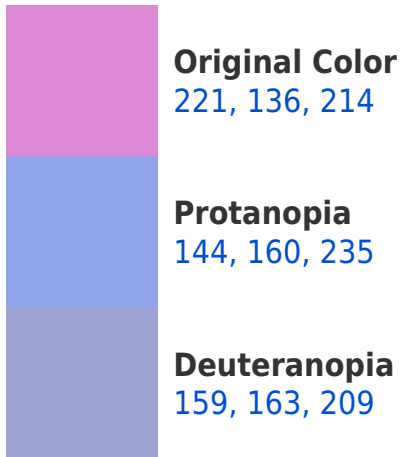


This preview shows how white text looks on a background with the RYB color 221, 136, 214.

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
214, 147, 159

Trichromacy



Original Color

221, 136, 214



Protanomaly

172, 153, 227



Deuteranomaly

182, 153, 211



Tritanomaly

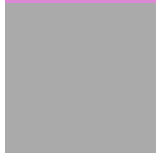
217, 143, 179

Monochromacy



Original Color

221, 136, 214



Achromatopsia

170, 170, 170



Achromatomaly

189, 158, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 136, 214 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, 136, 214) looks like.

```
.text, #text, p{  
    color:rgb(221, 136, 214)  
}
```

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, 136, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 136, 214) }
```

Border

The CSS property to change the border of an element to RYB 221, 136, 214 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, 136, 214) }
```

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

```
.border{ border-color:rgb(221, 136, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 136, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 136, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 136, 214);  
box-shadow:4px 4px 4px 4px rgb(221, 136,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 221, 136, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 136, 214) }
```

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

```
.background{ background-color: rgb(221,  
136, 214) }
```

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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