

Converting Colors

`RYB(221, 121, 226)`

Have a look what the booklet for
RYB(221, 121, 226) contains.

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Color

$\text{RYB}(221, 121, 226)$

Conversions

Conversions Part 1

Format	Color
Hex	DD79E2
RGB	221, 121, 226
RGB Percent	87%, 47%, 89%
CMY	0.1333, 0.5255, 0.1137
CMYK	0.02, 0.46, 0.00, 0.11
HSL	297°, 64%, 68%
HSV	297°, 46%, 89%
XYZ	50.3836, 34.5379, 75.9625
YIQ	162.8700, 25.8950, 53.8550

Conversions

Conversions Part 2

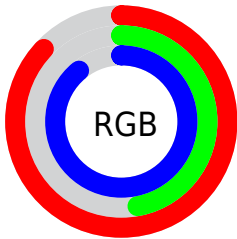
Format	Color
RYB	221, 121, 226
Decimal	14514658
CIELab	65.39, 53.85, -37.06
CIElCh	65, 65.369, 325.464
Yxy	34.5379, 0.3132, 0.2147
Android (android.graphics.Color)	4292704738 (0xFFDD79E2)
YUV	162.8700, 31.1231, 50.9800
Hunter-Lab	58.7689, 50.1855, -35.4977

Details

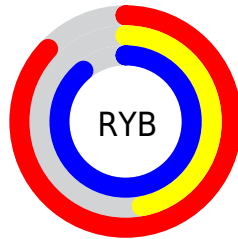
The RYB color **221, 121, 226** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **121, 226, 221**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **255, 176, 255**, and **164, 67, 170** is the 20% darker color. If you saturate the color by 10%, you get **220, 98, 226**, and if you desaturate by 10%, it is **222, 144, 226**.

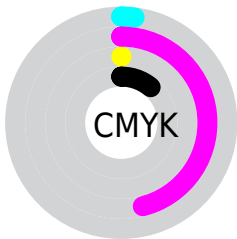
Distribution



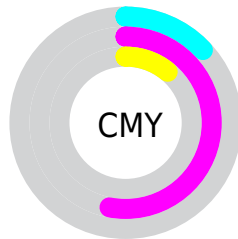
- Red (87%)
- Green (47%)
- Blue (89%)



- Red (87%)
- Yellow (47%)
- Blue (89%)



- Cyan (2%)
- Magenta (46%)
- Yellow (0%)
- Black (11%)



- Cyan (13%)
- Magenta (53%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 121, 226 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, 121, 226 by changing the saturation by 10% instead.

 221, 121, 226

255, 255, 255

 255, 176, 255

 255, 204, 255

 255, 233, 255

 221, 121, 226

 192, 94, 198

 164, 67, 170


 136, 39, 143

 109, 0, 117


 82, 0, 92


 56, 0, 68


 32, 0, 45


 0, 1, 23

 0, 0, 0

 221, 121, 226


 221, 121, 226

 220, 98, 226

 222, 144, 226

 219, 76, 226


 223, 166, 226

 218, 53, 226


 224, 189, 226

 217, 31, 226

 225, 211, 226

 216, 8, 226

 226, 234, 234

 215, 0, 226

 226, 255, 254

 226, 255, 252

 226, 255, 251

 226, 255, 250

Harmonies

Analogous

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



142, 147, 255



221, 121, 226



255, 103, 170

Triad

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



221, 121, 226



82, 196, 25



0, 98, 208

Complementary

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



221, 121, 226



121, 226, 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, 104, 186



221, 121, 226



40, 170, 70

Square

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



221, 121, 226



239, 174, 61



56, 155, 181



0, 106, 255

Rectangle

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



221, 121, 226



255, 103, 131



56, 155, 181



0, 94, 188

Sweetspot

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



221, 121, 226



253, 219, 255



121, 126, 226



126, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 121, 226



248, 112, 255



226, 121, 179



112, 101, 112



168, 0, 176



46, 0, 48

Inverse Universe

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



226, 121, 126



255, 112, 119



121, 194, 226



112, 101, 102



176, 0, 8



48, 0, 2

Previews

White Background



This preview shows how the RYB color 221, 121, 226 looks on a white background.

Color Contrast Check

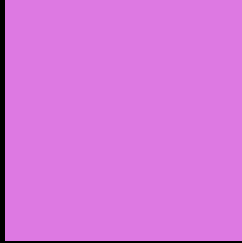
Large Text (above 18pt) WCAG AA × Fail

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, 121, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

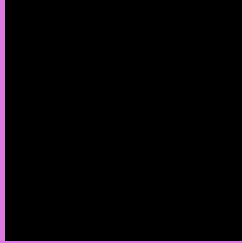
Any Text WCAG AA ✓ Pass

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](#).

R Y B 221, 121, 226 Background



This preview shows how black text looks on a background with the R Y B color 221, 121, 226.

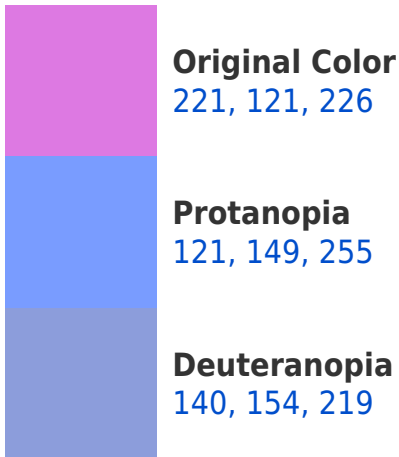


This preview shows how white text looks on a background with the R Y B color 221, 121, 226.

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
211, 139, 149

Trichromacy



Original Color

221, 121, 226



Protanomaly

157, 143, 244



Deuteranomaly

169, 144, 222



Tritanomaly

215, 132, 177

Monochromacy



Original Color

221, 121, 226



Achromatopsia

163, 163, 163



Achromatomaly

184, 148, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 121, 226 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, 121, 226)` looks like.

```
.text, #text, p{  
    color:rgb(221, 121, 226)  
}
```

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, 121, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 121, 226) }
```

Border

The CSS property to change the border of an element to RYB 221, 121, 226 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, 121, 226) }
```

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

```
.border{ border-color:rgb(221, 121, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 121, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 121, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 121, 226);  
box-shadow:4px 4px 4px 4px rgb(221, 121,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 221, 121, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 121, 226) }
```

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

```
.background{ background-color: rgb(221,  
121, 226) }
```

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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