

Converting Colors

`RYB(221, 90, 180)`

Have a look what the booklet for
RYB(221, 90, 180) contains.

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Color

$\text{RYB}(221, 90, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	DD5AB4
RGB	221, 90, 180
RGB Percent	87%, 35%, 71%
CMY	0.1333, 0.6471, 0.2941
CMYK	0.00, 0.59, 0.19, 0.13
HSL	319°, 66%, 61%
HSV	319°, 59%, 87%
XYZ	41.7132, 25.9798, 45.9961
YIQ	139.4290, 49.1860, 55.7620

Conversions

Conversions Part 2

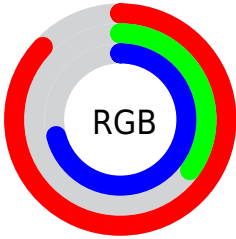
Format	Color
R _Y B	221, 90, 180
Decimal	14506676
CIE Lab	58.02, 60.93, -22.45
CIE LCh	58, 64.931, 339.773
Yxy	25.9798, 0.3669, 0.2285
Android (android.graphics.Color)	4292696756 (0xFFDD5AB4)
YUV	139.4290, 20.0015, 71.5378
Hunter-Lab	50.9704, 56.8829, -17.8246

Details

The RYB color **221, 90, 180** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **90, 190, 221**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **255, 146, 236**, and **163, 28, 127** is the 20% darker color. If you saturate the color by 10%, you get **221, 68, 173**, and if you desaturate by 10%, it is **221, 112, 187**.

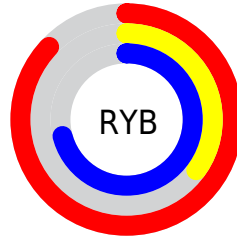
Distribution



Red (87%)

Green (35%)

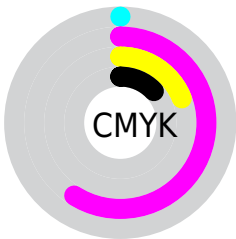
Blue (71%)



Red (87%)

Yellow (35%)

Blue (71%)

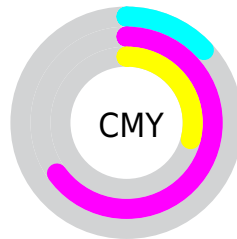


Cyan (0%)

Magenta (59%)

Yellow (19%)

Black (13%)



Cyan (13%)


Magenta (65%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 90, 180 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, 90, 180 by changing the saturation by 10% instead.

 221, 90, 180


255, 255, 255

 255, 146, 236


 255, 174, 255

 255, 203, 255

 255, 233, 255

 221, 90, 180

 192, 61, 153

 163, 28, 127

 134, 0, 102


 106, 0, 78

 79, 0, 54

 54, 0, 33

 19, 0, 5

 0, 0, 0

 221, 90, 180

 221, 90, 180

■ 221, 68, 173

■ 221, 112, 187

■ 221, 46, 166

■ 221, 134, 194

■ 221, 24, 159

■ 221, 156, 201

■ 221, 2, 152

■ 221, 178, 208

■ 221, 0, 152

■ 221, 201, 215

■ 221, 222, 223

■ 221, 240, 245

■ 221, 245, 255

■ 221, 242, 255

Harmonies

Analogous

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



165, 116, 227



221, 90, 180



241, 81, 123

Triad

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



221, 90, 180



7, 150, 0



0, 92, 211

Complementary

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



221, 90, 180



90, 190, 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, 85, 166



221, 90, 180



42, 156, 111

Square

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



221, 90, 180



151, 198, 19



0, 102, 163



0, 95, 246

Rectangle

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



221, 90, 180



237, 90, 87



0, 102, 163



0, 89, 194

Sweetspot

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



221, 90, 180



255, 209, 241



129, 90, 221



128, 99, 119



0, 0, 0



128, 128, 128

Same Dimension

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



221, 90, 180



255, 74, 198



221, 90, 116



110, 99, 106



173, 0, 119



46, 0, 32

Inverse Universe

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



221, 90, 180



255, 74, 198



90, 163, 221



110, 99, 106



173, 0, 119



46, 0, 32

Previews

White Background



This preview shows how the RYB color 221, 90, 180 looks on a white background.

Color Contrast Check

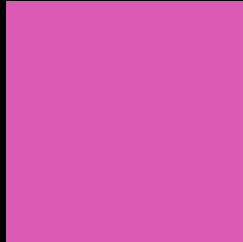
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

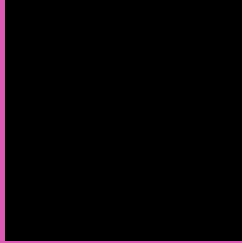
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 221, 90, 180 Background



This preview shows how black text looks on a background with the RYB color 221, 90, 180.



This preview shows how white text looks on a background with the RYB color 221, 90, 180.

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



Original Color
221, 90, 180

Protanopia
111, 132, 216

Deuteranopia
137, 137, 173



Tritanopia
215, 106, 114

Trichromacy



Original Color
221, 90, 180



Protanomaly
151, 120, 203



Deuteranomaly
168, 120, 176



Tritanomaly
217, 100, 138

Monochromacy



Original Color
221, 90, 180



Achromatopsia
139, 139, 139



Achromatomaly
169, 121, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 90, 180 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, 90, 180)` looks like.

```
.text, #text, p{  
    color:rgb(221, 90, 180)  
}
```

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, 90, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 90, 180) }
```

Border

The CSS property to change the border of an element to RYB 221, 90, 180 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, 90, 180) }
```

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

```
.border{ border-color:rgb(221, 90, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 90, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 90, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 90, 180); box-shadow:4px 4px 4px 4px rgb(221, 90, 180) }
```

Background

The CSS property to change the background color of an element to RGB 221, 90, 180 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 90, 180) }
```

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

```
.background{ background-color: rgb(221, 90,  
180) }
```

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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