

Converting Colors

`RYB(221, 65, 146)`

Have a look what the booklet for
RYB(221, 65, 146) contains.

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Color

R_YB(221, 65, 146)

Conversions

Conversions Part 1

Format	Color
Hex	DD4192
RGB	221, 65, 146
RGB Percent	87%, 25%, 57%
CMY	0.1333, 0.7451, 0.4275
CMYK	0.00, 0.71, 0.34, 0.13
HSL	329°, 70%, 56%
HSV	329°, 71%, 87%
XYZ	36.8974, 21.2281, 29.3468
YIQ	120.8780, 66.9750, 58.2630

Conversions

Conversions Part 2

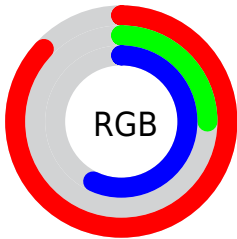
Format	Color
R_{YB}	221, 65, 146
Decimal	14500242
CIE _{Lab}	53.20, 66.48, -9.88
CIE _{LCh}	53, 67.207, 351.544
Yxy	21.2281, 0.4218, 0.2427
Android (android.graphics.Color)	4292690322 (0xFFDD4192)
YUV	120.8780, 12.3851, 87.8070
Hunter-Lab	46.0739, 62.3188, -5.5131

Details

The RYB color **221, 65, 146** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **65, 170, 221**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **255, 124, 200**, and **161, 0, 96** is the 20% darker color. If you saturate the color by 10%, you get **221, 43, 135**, and if you desaturate by 10%, it is **221, 87, 157**.

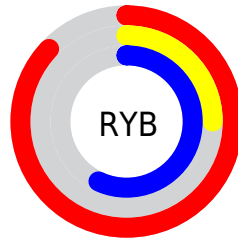
Distribution



Red (87%)

Green (25%)

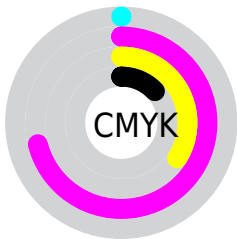
Blue (57%)



Red (87%)

Yellow (25%)

Blue (57%)

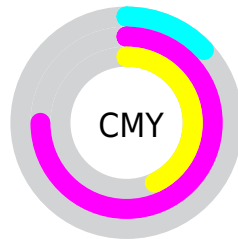


Cyan (0%)

Magenta (71%)

Yellow (34%)

Black (13%)



Cyan (13%)


Magenta (75%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the RYB color 221, 65, 146 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, 65, 146 by changing the saturation by 10% instead.

 221, 65, 146

 221, 65, 146

255, 255, 255

 191, 29, 120

 255, 124, 200

 161, 0, 96

 255, 153, 228

 132, 0, 72

 255, 182, 255

 103, 0, 49


 255, 211, 255

 75, 0, 29


 255, 241, 255

 48, 0, 2

 0, 0, 0

 221, 65, 146

 221, 65, 146

 221, 43, 135

 221, 87, 157

■ 221, 21, 125

■ 221, 109, 167

■ 221, 0, 115

■ 221, 131, 178

■ 221, 153, 188

■ 221, 176, 199

■ 221, 198, 210

■ 221, 220, 220

■ 221, 235, 242

■ 221, 242, 255

Harmonies

Analogous

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



180, 91, 200



221, 65, 146



228, 68, 88

Triad

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



221, 65, 146



0, 137, 24



0, 88, 217

Complementary

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



221, 65, 146



65, 170, 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, 80, 168



221, 65, 146



21, 125, 147

Square

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



221, 65, 146



67, 167, 0



0, 89, 152



0, 88, 242

Rectangle

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



221, 65, 146



216, 92, 52



0, 89, 152



0, 87, 203

Sweetspot

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



221, 65, 146



255, 201, 229



138, 65, 221



128, 96, 112



0, 0, 0



128, 128, 128

Same Dimension

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



221, 65, 146



255, 38, 151



221, 65, 70



110, 99, 104



173, 0, 90



46, 0, 24

Inverse Universe

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



221, 65, 146



255, 38, 151



65, 144, 221



110, 99, 104



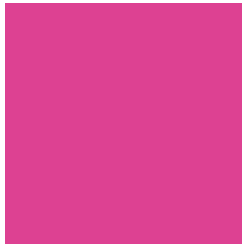
173, 0, 90



46, 0, 24

Previews

White Background



This preview shows how the RYB color 221, 65, 146 looks on a white background.

Color Contrast Check

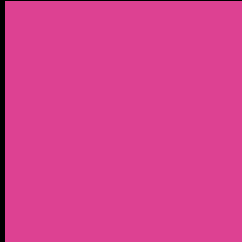
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65, 146 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](#).

RYB 221, 65, 146 Background



This preview shows how black text looks on a background with the RYB color 221, 65, 146.

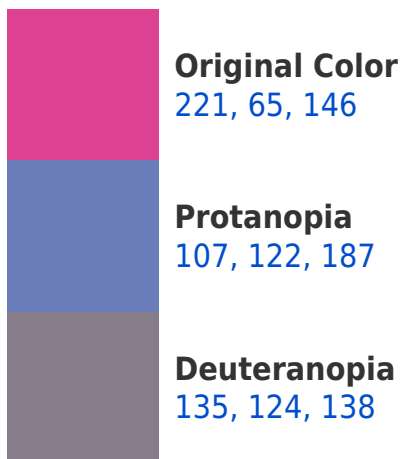


This preview shows how white text looks on a background with the RYB color 221, 65, 146.

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
217, 81, 86

Trichromacy



Original Color

221, 65, 146



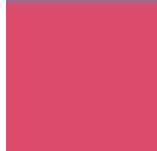
Protanomaly

148, 104, 172



Deuteranomaly

166, 103, 141



Tritanomaly

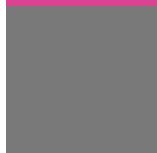
218, 75, 108

Monochromacy



Original Color

221, 65, 146



Achromatopsia

121, 121, 121



Achromatomaly

157, 101, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 65, 146 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, 65, 146)` looks like.

```
.text, #text, p{  
    color:rgb(221, 65, 146)  
}
```

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, 65, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 65, 146) }
```

Border

The CSS property to change the border of an element to RYB 221, 65, 146 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, 65, 146) }
```

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

```
.border{ border-color:rgb(221, 65, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 65, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 65, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 65, 146);  
box-shadow:4px 4px 4px 4px rgb(221, 65,  
146) }
```

Background

The CSS property to change the background color of an element to RGB 221, 65, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 65, 146) }
```

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

```
.background{ background-color: rgb(221, 65,  
146) }
```

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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