

Converting Colors

`RYB(220, 165, 216)`

Have a look what the booklet for
RYB(220, 165, 216) contains.

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Color

R_YB(220, 165, 216)

Conversions

Conversions Part 1

Format	Color
Hex	DCA5D8
RGB	220, 165, 216
RGB Percent	86%, 65%, 85%
CMY	0.1373, 0.3529, 0.1529
CMYK	0.00, 0.25, 0.02, 0.14
HSL	304°, 44%, 75%
HSV	304°, 25%, 86%
XYZ	55.3650, 47.0838, 71.1358
YIQ	187.2590, 16.4090, 27.5210

Conversions

Conversions Part 2

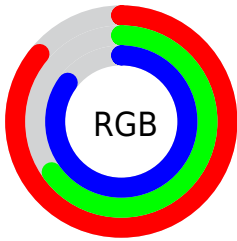
Format	Color
R_{YB}	220, 165, 216
Decimal	14460376
CIE _{Lab}	74.24, 28.60, -17.95
CIE _{LCh}	74, 33.763, 327.882
Yxy	47.0838, 0.3190, 0.2712
Android (android.graphics.Color)	4292650456 (0xFFDCA5D8)
YUV	187.2590, 14.1693, 28.7139
Hunter-Lab	68.6176, 23.9442, -13.4335

Details

The RYB color **220, 165, 216** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **165, 216, 220**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **255, 220, 255**, and **164, 113, 161** is the 20% darker color. If you saturate the color by 10%, you get **220, 143, 214**, and if you desaturate by 10%, it is **220, 187, 218**.

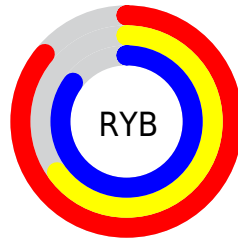
Distribution



Red (86%)

Green (65%)

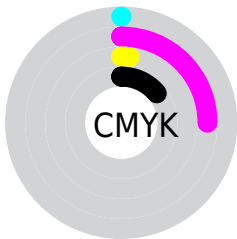
Blue (85%)



Red (86%)

Yellow (65%)

Blue (85%)

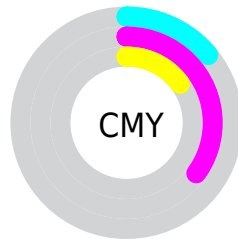


Cyan (0%)

Magenta (25%)

Yellow (2%)

Black (14%)



Cyan (14%)


Magenta (35%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 165, 216 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 220, 165, 216 by changing the saturation by 10% instead.


 220, 165, 216

255, 255, 255

 255, 220, 255

 255, 249, 255

 220, 165, 216

 192, 138, 188

 164, 113, 161

 138, 88, 135

 112, 63, 109

 86, 40, 85


 62, 17, 62


 40, 0, 40


 1, 0, 18


 0, 0, 0

 220, 165, 216

 220, 165, 216

 220, 143, 214


 220, 187, 218

 220, 121, 213

 220, 209, 219

 220, 99, 211


 220, 230, 231

 220, 77, 210


 220, 251, 253

 220, 55, 208

 220, 251, 255

 220, 33, 206

 220, 250, 255

 220, 11, 205

 220, 249, 255

 220, 0, 204

 220, 248, 255

 220, 247, 255

Harmonies

Analogous

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



184, 175, 237



220, 165, 216



241, 159, 186

Triad

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



220, 165, 216



157, 206, 120



78, 141, 210

Complementary

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



220, 165, 216



165, 216, 220

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.



101, 156, 199



220, 165, 216



127, 189, 142

Square

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



220, 165, 216



231, 192, 131



138, 187, 196



94, 152, 234

Rectangle

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



220, 165, 216



244, 160, 165



138, 187, 196



83, 141, 200

Sweetspot

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



220, 165, 216



255, 235, 254



169, 165, 220



128, 115, 127



0, 0, 0



128, 128, 128

Same Dimension

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



220, 165, 216



255, 179, 249



220, 165, 189



110, 99, 109



173, 0, 161



46, 0, 43

Inverse Universe

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



220, 165, 216



255, 179, 249



165, 200, 220



110, 99, 109



173, 0, 161



46, 0, 43

Previews

White Background



This preview shows how the RYB color 220, 165, 216 looks on a white background.

Color Contrast Check

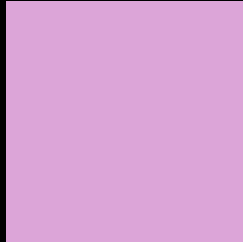
Large Text (above 18pt) WCAG AA × Fail

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 220, 165, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

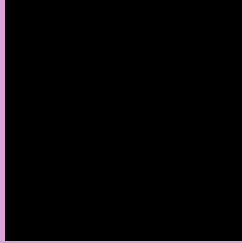
Any Text WCAG AA ✓ Pass

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 220, 165, 216 Background



This preview shows how black text looks on a background with the RYB color 220, 165, 216.



This preview shows how white text looks on a background with the RYB color 220, 165, 216.

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
220, 165, 216

Protanopia
172, 180, 227

Deuteranopia
186, 178, 213



Tritanopia
216, 171, 184

Trichromacy



Original Color
220, 165, 216

Protanomaly
189, 175, 223

Deuteranomaly
198, 173, 214

Tritanomaly
217, 169, 196

Monochromacy



Original Color
220, 165, 216

Achromatopsia
187, 187, 187

Achromatomaly
199, 179, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 165, 216 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(220, 165, 216) looks like.

```
.text, #text, p{  
    color:rgb(220, 165, 216)  
}
```

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(220, 165, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 165, 216) }
```

Border

The CSS property to change the border of an element to RYB 220, 165, 216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

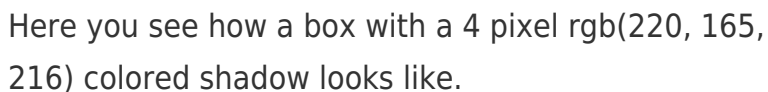
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 165, 216) }
```

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

```
.border{ border-color:rgb(220, 165, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(220, 165, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 165, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 165, 216);  
box-shadow:4px 4px 4px 4px rgb(220, 165,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 220, 165, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 165, 216) }
```

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

```
.background{ background-color: rgb(220,  
165, 216) }
```

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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