

Converting Colors

`RYB(235, 164, 216)`

Have a look what the booklet for
RYB(235, 164, 216) contains.

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Color

R_YB(235, 164, 216)

Conversions

Conversions Part 1

Format	Color
Hex	EBA4D8
RGB	235, 164, 216
RGB Percent	92%, 64%, 85%
CMY	0.0784, 0.3569, 0.1529
CMYK	0.00, 0.30, 0.08, 0.08
HSL	316°, 64%, 78%
HSV	316°, 30%, 92%
XYZ	59.9311, 49.1710, 71.2980
YIQ	191.1570, 25.6240, 31.2240

Conversions

Conversions Part 2

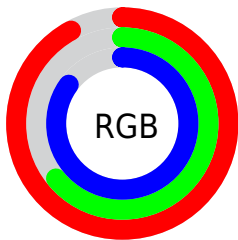
Format	Color
R _Y B	235, 164, 216
Decimal	15443160
CIE Lab	75.56, 34.11, -15.82
CIE LCh	76, 37.598, 335.123
Yxy	49.1710, 0.3322, 0.2726
Android (android.graphics.Color)	4293633240 (0xFFEBA4D8)
YUV	191.1570, 12.2476, 38.4503
Hunter-Lab	70.1220, 29.8448, -11.1989

Details

The RYB color **235, 164, 216** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **164, 220, 235**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **255, 220, 255**, and **178, 111, 161** is the 20% darker color. If you saturate the color by 10%, you get **235, 141, 210**, and if you desaturate by 10%, it is **235, 188, 222**.

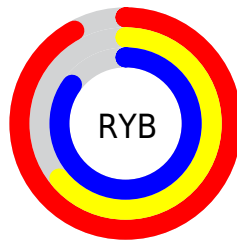
Distribution



Red (92%)

Green (64%)

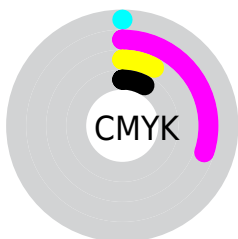
Blue (85%)



Red (92%)

Yellow (64%)

Blue (85%)

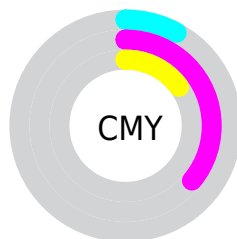


Cyan (0%)

Magenta (30%)

Yellow (8%)

Black (8%)



Cyan (8%)


Magenta (36%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 164, 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 235, 164, 216 by changing the saturation by 10% instead.

 235, 164, 216

 235, 164, 216


255, 255, 255

 206, 137, 188

 255, 220, 255


 178, 111, 161

 255, 248, 255

 151, 86, 135

 124, 61, 109

 98, 37, 85

 73, 11, 62

 49, 0, 40

 24, 0, 18

 0, 0, 0

 235, 164, 216

 235, 164, 216

 235, 141, 210

 235, 188, 222

 235, 117, 203

 235, 211, 229

 235, 94, 197

 235, 235, 235

 235, 70, 191

 235, 250, 255

 235, 47, 185

 235, 248, 255

 235, 23, 178

 235, 245, 255

 235, 0, 172

 235, 245, 255

Harmonies

Analogous

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



198, 175, 243



235, 164, 216



253, 159, 181

Triad

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



235, 164, 216



139, 204, 116



56, 135, 225

Complementary

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



235, 164, 216



164, 220, 235

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.



81, 147, 205



235, 164, 216



128, 196, 158

Square

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



235, 164, 216



234, 216, 124



125, 180, 202



91, 155, 248

Rectangle

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



235, 164, 216



254, 161, 158



125, 180, 202



59, 134, 214

Sweetspot

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



235, 164, 216



255, 232, 249



183, 164, 235



128, 113, 124



0, 0, 0



128, 128, 128

Same Dimension

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



235, 164, 216



255, 163, 230



235, 164, 181



117, 106, 114



181, 0, 133



54, 0, 39

Inverse Universe

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



235, 164, 216



255, 163, 230



164, 204, 235



117, 106, 114



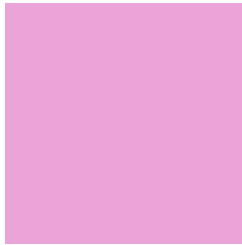
181, 0, 133



54, 0, 39

Previews

White Background



This preview shows how the RYB color 235, 164, 216 looks on a white background.

Color Contrast Check

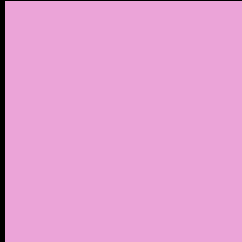
Large Text (above 18pt) WCAG AA × Fail

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 235, 164, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

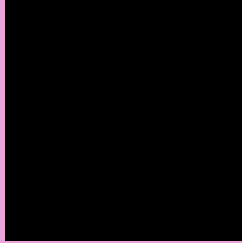
Any Text WCAG AA ✓ Pass

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 235, 164, 216 Background



This preview shows how black text looks on a background with the RYB color 235, 164, 216.



This preview shows how white text looks on a background with the RYB color 235, 164, 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
235, 164, 216

Protanopia
176, 184, 230

Deuteranopia
192, 182, 213



Tritanopia
231, 170, 183

Trichromacy



Original Color
235, 164, 216



Protanomaly
197, 177, 225



Deuteranomaly
208, 175, 214

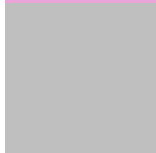


Tritanomaly
232, 168, 195

Monochromacy



Original Color
235, 164, 216



Achromatopsia
191, 191, 191



Achromatomaly
207, 181, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 164, 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(235, 164, 216) looks like.

```
.text, #text, p{  
    color:rgb(235, 164, 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(235, 164, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 164, 216) }
```

Border

The CSS property to change the border of an element to RYB 235, 164, 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(235, 164, 216) }
```

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

```
.border{ border-color:rgb(235, 164, 216) }
```

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

Here you see how a box with a 4 pixel rgb(235, 164, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 164, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 164, 216);  
box-shadow:4px 4px 4px 4px rgb(235, 164,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 235, 164, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 164, 216) }
```

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

```
.background{ background-color: rgb(235,  
164, 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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