

Converting Colors

`RYB(231, 168, 224)`

Have a look what the booklet for
RYB(231, 168, 224) contains.

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Color

R_YB(231, 168, 224)

Conversions

Conversions Part 1

Format	Color
Hex	E7A8E0
RGB	231, 168, 224
RGB Percent	91%, 66%, 88%
CMY	0.0941, 0.3412, 0.1216
CMYK	0.00, 0.27, 0.03, 0.09
HSL	307°, 57%, 78%
HSV	307°, 27%, 91%
XYZ	60.4122, 50.3760, 77.0605
YIQ	193.2210, 19.5720, 30.7720

Conversions

Conversions Part 2

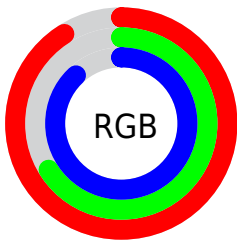
Format	Color
R _Y B	231, 168, 224
Decimal	15182048
CIE Lab	76.30, 32.06, -19.10
CIE LCh	76, 37.312, 329.217
Yxy	50.3760, 0.3216, 0.2682
Android (android.graphics.Color)	4293372128 (0xFFE7A8E0)
YUV	193.2210, 15.1740, 33.1322
Hunter-Lab	70.9761, 27.7244, -14.6894

Details

The RYB color **231, 168, 224** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **168, 225, 231**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **255, 224, 255**, and **175, 115, 169** is the 20% darker color. If you saturate the color by 10%, you get **231, 145, 221**, and if you desaturate by 10%, it is **231, 191, 227**.

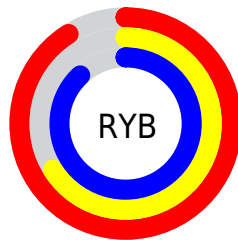
Distribution



Red (91%)

Green (66%)

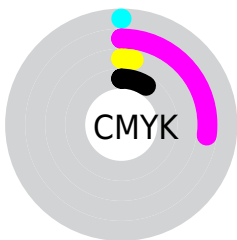
Blue (88%)



Red (91%)

Yellow (66%)

Blue (88%)

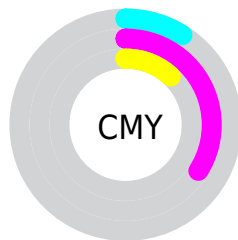


Cyan (0%)

Magenta (27%)

Yellow (3%)

Black (9%)



Cyan (9%)


Magenta (34%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the RYB color 231, 168, 224 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 231, 168, 224 by changing the saturation by 10% instead.

 231, 168, 224

 231, 168, 224

255, 255, 255


 202, 141, 196

 255, 224, 255


 175, 115, 169

 255, 253, 255

 147, 90, 142

 121, 65, 116


 95, 42, 92


 71, 18, 68


 47, 0, 46


 23, 0, 25


 0, 0, 0

 231, 168, 224


 231, 168, 224


 231, 145, 221


 231, 191, 227

 231, 122, 219


 231, 214, 229

 231, 99, 216


 231, 236, 237


 231, 76, 214

 231, 252, 255

 231, 52, 211

 231, 250, 255

 231, 29, 209

 231, 249, 255

 231, 6, 206

 231, 247, 255

 231, 0, 205

 231, 246, 255

 231, 245, 255

Harmonies

Analogous

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



191, 180, 248



231, 168, 224



253, 162, 190

Triad

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



231, 168, 224



155, 212, 119



62, 138, 221

Complementary

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



231, 168, 224



168, 225, 231

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.



93, 156, 207



231, 168, 224



127, 196, 147

Square

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



231, 168, 224



240, 203, 130



136, 190, 203



85, 152, 246

Rectangle

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



231, 168, 224



255, 163, 167



136, 190, 203



68, 138, 210

Sweetspot

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



231, 168, 224



255, 235, 253



174, 168, 231



128, 115, 126



0, 0, 0



128, 128, 128

Same Dimension

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



231, 168, 224



255, 171, 246



231, 168, 193



115, 103, 113



179, 0, 159



51, 0, 45

Inverse Universe

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



231, 168, 224



255, 171, 246



168, 207, 231



115, 103, 113



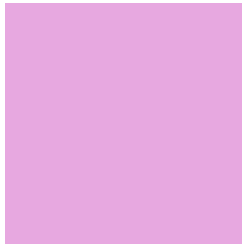
179, 0, 159



51, 0, 45

Previews

White Background



This preview shows how the RYB color 231, 168, 224 looks on a white background.

Color Contrast Check

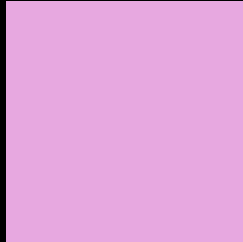
Large Text (above 18pt) WCAG AA × Fail

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 231, 168, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

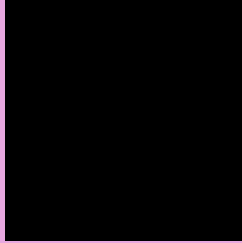
Any Text WCAG AA ✓ Pass

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 231, 168, 224 Background



This preview shows how black text looks on a background with the RYB color 231, 168, 224.



This preview shows how white text looks on a background with the RYB color 231, 168, 224.

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
231, 168, 224

Protanopia
176, 185, 237

Deuteranopia
191, 184, 221



Tritanopia
226, 175, 188

Trichromacy



Original Color

231, 168, 224



Protanomaly

196, 180, 232



Deuteranomaly

206, 178, 222



Tritanomaly

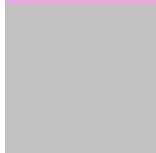
228, 172, 201

Monochromacy



Original Color

231, 168, 224



Achromatopsia

193, 193, 193



Achromatomaly

207, 184, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 168, 224 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(231, 168, 224) looks like.

```
.text, #text, p{  
    color:rgb(231, 168, 224)  
}
```

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(231, 168, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 168, 224) }
```

Border

The CSS property to change the border of an element to RYB 231, 168, 224 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(231, 168, 224) }
```

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

```
.border{ border-color:rgb(231, 168, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 168, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 168, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 168, 224); box-shadow:4px 4px 4px 4px rgb(231, 168, 224) }
```

Background

The CSS property to change the background color of an element to RGB 231, 168, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 168, 224) }
```

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

```
.background{ background-color: rgb(231,  
168, 224) }
```

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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