

Converting Colors

`RYB(231, 161, 196)`

Have a look what the booklet for
RYB(231, 161, 196) contains.

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Color

R_YB(231, 161, 196)

Conversions

Conversions Part 1

Format	Color
Hex	E7A1C4
RGB	231, 161, 196
RGB Percent	91%, 63%, 77%
CMY	0.0941, 0.3686, 0.2314
CMYK	0.00, 0.30, 0.15, 0.09
HSL	330°, 59%, 77%
HSV	330°, 30%, 91%
XYZ	55.6637, 46.4642, 58.2592
YIQ	185.9200, 30.4850, 25.7250

Conversions

Conversions Part 2

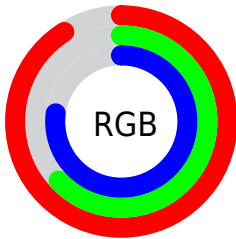
Format	Color
R_{YB}	231, 161, 196
Decimal	15180228
CIE _{Lab}	73.85, 31.06, -7.46
CIE _{LCh}	74, 31.943, 346.493
Yxy	46.4642, 0.3471, 0.2897
Android (android.graphics.Color)	4293370308 (0xFFE7A1C4)
YUV	185.9200, 4.9694, 39.5352
Hunter-Lab	68.1646, 26.4761, -2.9590

Details

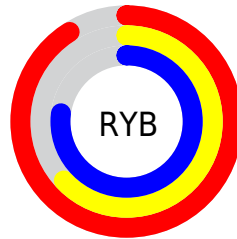
The RYB color **231, 161, 196** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **161, 208, 231**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **255, 216, 253**, and **174, 108, 142** is the 20% darker color. If you saturate the color by 10%, you get **231, 138, 184**, and if you desaturate by 10%, it is **231, 184, 208**.

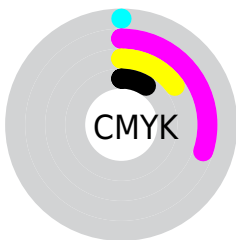
Distribution



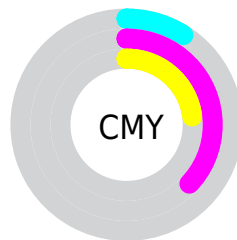
- Red (91%)
- Green (63%)
- Blue (77%)



- Red (91%)
- Yellow (63%)
- Blue (77%)



- Cyan (0%)
- Magenta (30%)
- Yellow (15%)
- Black (9%)





- Cyan (9%)
- Magenta (37%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the RYB color 231, 161, 196 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, 161, 196 by changing the saturation by 10% instead.

 231, 161, 196

 231, 161, 196

255, 255, 255

 202, 134, 169

 255, 216, 253


 174, 108, 142

 255, 245, 255

 147, 83, 117

 120, 59, 92

 95, 35, 69

 69, 10, 46

 46, 0, 26

 12, 0, 0

 0, 0, 0

■ 231, 161, 196

■ 231, 161, 196

■ 231, 138, 184

■ 231, 184, 208

■ 231, 115, 173

■ 231, 207, 219

■ 231, 92, 161

■ 231, 230, 231

■ 231, 69, 150

■ 231, 246, 253

■ 231, 45, 138

■ 231, 243, 255

■ 231, 22, 127

■ 231, 243, 255

■ 231, 0, 116

Harmonies

Analogous

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



205, 168, 222



231, 161, 196



240, 160, 166

Triad

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



231, 161, 196



126, 186, 125



91, 149, 223

Complementary

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



231, 161, 196



161, 208, 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.



91, 145, 198



231, 161, 196



140, 192, 180

Square

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



231, 161, 196



194, 214, 125



118, 167, 197



123, 165, 238

Rectangle

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



231, 161, 196



237, 166, 148



118, 167, 197



86, 145, 215

Sweetspot

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



231, 161, 196



255, 232, 244



196, 161, 231



128, 113, 120



0, 0, 0



128, 128, 128

Same Dimension

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



231, 161, 196



255, 163, 209



231, 161, 161



115, 103, 109



179, 0, 89



51, 0, 26

Inverse Universe

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



231, 161, 196



255, 163, 209



161, 196, 231



115, 103, 109



179, 0, 89



51, 0, 26

Previews

White Background



This preview shows how the RYB color 231, 161, 196 looks on a white background.

Color Contrast Check

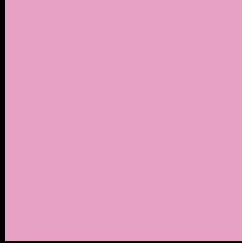
Large Text (above 18pt) WCAG AA × Fail

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, 161, 196 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, 161, 196 Background



This preview shows how black text looks on a background with the RYB color 231, 161, 196.



This preview shows how white text looks on a background with the RYB color 231, 161, 196.

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, 161, 196

Protanopia
177, 180, 208

Deuteranopia
194, 177, 193



Tritanopia
229, 164, 177

Trichromacy



Original Color

231, 161, 196



Protanomaly

197, 173, 204



Deuteranomaly

207, 171, 194



Tritanomaly

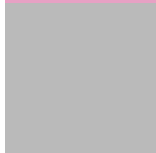
230, 163, 184

Monochromacy



Original Color

231, 161, 196



Achromatopsia

186, 186, 186



Achromatomaly

202, 177, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 161, 196 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, 161, 196)` looks like.

```
.text, #text, p{  
    color:rgb(231, 161, 196)  
}
```

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, 161, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 161, 196) }
```

Border

The CSS property to change the border of an element to RYB 231, 161, 196 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, 161, 196) }
```

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

```
.border{ border-color:rgb(231, 161, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 161, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 161, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 161, 196);  
box-shadow:4px 4px 4px 4px rgb(231, 161,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 231, 161, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 161, 196) }
```

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

```
.background{ background-color: rgb(231,  
161, 196) }
```

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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