

# Converting Colors

`RYB(227, 163, 206)`

Have a look what the booklet for  
RYB(227, 163, 206) contains.

<b>RYB(227, 163, 206)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**R<sub>Y</sub>B(227, 163, 206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3A3CE
RGB	227, 163, 206
RGB Percent	89%, 64%, 81%
CMY	0.1098, 0.3608, 0.1922
CMYK	0.00, 0.28, 0.09, 0.11
HSL	320°, 53%, 76%
HSV	320°, 28%, 89%
XYZ	55.9163, 46.9815, 64.5137
YIQ	187.0380, 24.3410, 26.9410

# Conversions

## Conversions Part 2

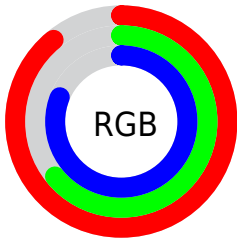
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 163, 206
Decimal	14918606
CIE <sub>Lab</sub>	74.18, 30.26, -12.50
CIE <sub>LCh</sub>	74, 32.741, 337.552
Yxy	46.9815, 0.3340, 0.2806
Android (android.graphics.Color)	4293108686 (0xFFE3A3CE)
YUV	187.0380, 9.3483, 35.0467
Hunter-Lab	68.5431, 25.6671, -7.8245

# Details

The RYB color **227, 163, 206** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **163, 211, 227**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **255, 218, 255**, and **171, 110, 152** is the 20% darker color. If you saturate the color by 10%, you get **227, 140, 199**, and if you desaturate by 10%, it is **227, 186, 213**.

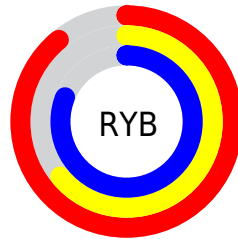
# Distribution



Red (89%)

Green (64%)

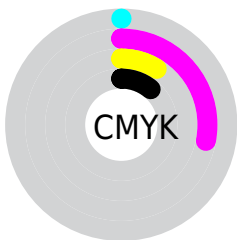
Blue (81%)



Red (89%)

Yellow (64%)

Blue (81%)

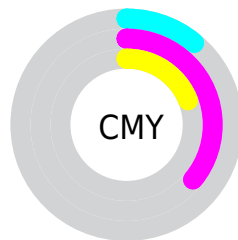


Cyan (0%)

Magenta (28%)

Yellow (9%)

Black (11%)



Cyan (11%)

Magenta (36%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 227, 163, 206 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 227, 163, 206 by changing the saturation by 10% instead.




 227, 163, 206

 227, 163, 206

255, 255, 255

 199, 136, 178

 255, 218, 255

 171, 110, 152

 255, 247, 255

 144, 85, 126

 117, 61, 101


 92, 38, 77

 67, 13, 54


 44, 0, 33

 11, 0, 6


 0, 0, 0

 227, 163, 206

 227, 163, 206

 227, 140, 199

 227, 186, 213

 227, 118, 191

 227, 208, 221

 227, 95, 184

 227, 230, 231

 227, 72, 176

 227, 247, 254

 227, 49, 169

 227, 245, 255

 227, 27, 161

 227, 242, 255

 227, 4, 154

 227, 241, 255

 227, 0, 153

# Harmonies

## Analogous

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



196, 172, 230



227, 163, 206



242, 160, 176

# Triad

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



227, 163, 206



138, 196, 122



83, 145, 218

# Complementary

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



227, 163, 206



163, 211, 227

# 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.



95, 150, 199



227, 163, 206



134, 192, 163

# Square

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



227, 163, 206



223, 215, 127



128, 176, 197



110, 160, 237

# Rectangle

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



227, 163, 206



242, 162, 156



128, 176, 197



83, 143, 209



# Sweetspot

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



227, 163, 206



255, 235, 248



183, 163, 227



128, 115, 123



0, 0, 0



128, 128, 128



# Same Dimension

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



227, 163, 206



255, 168, 227



227, 163, 175



115, 103, 111



179, 0, 120



51, 0, 34



# Inverse Universe

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



227, 163, 206



255, 168, 227



163, 198, 227



115, 103, 111



179, 0, 120

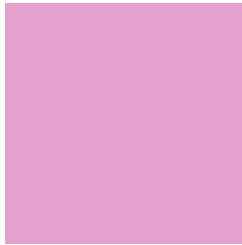


51, 0, 34



# Previews

## White Background



This preview shows how the RYB color 227, 163, 206 looks on a white background.

## Color Contrast Check

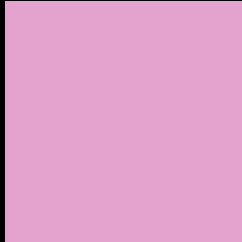
Large Text (above 18pt) WCAG AA × Fail

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 227, 163, 206 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 227, 163, 206 Background**



This preview shows how black text looks on a background with the RYB color 227, 163, 206.

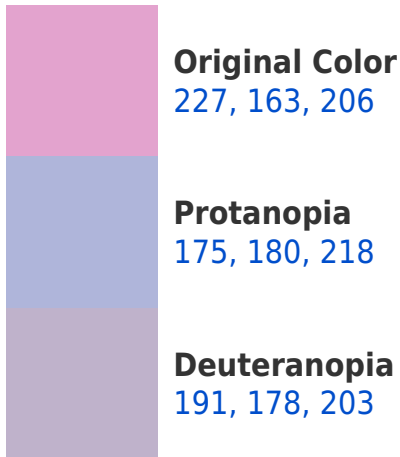



This preview shows how white text looks on a background with the RYB color 227, 163, 206.

# 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**  
224, 168, 180

# Trichromacy



**Original Color**

227, 163, 206



**Protanomaly**

194, 174, 214



**Deuteranomaly**

204, 173, 204



**Tritanomaly**

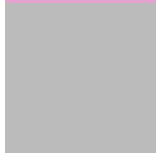
225, 166, 189

# Monochromacy



**Original Color**

227, 163, 206



**Achromatopsia**

187, 187, 187



**Achromatomaly**

202, 178, 194

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 227, 163, 206 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(227, 163, 206)` looks like.

```
.text, #text, p{  
    color:rgb(227, 163, 206)  
}
```

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(227, 163, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 163, 206) }
```

## Border

The CSS property to change the border of an element to RYB 227, 163, 206 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(227, 163, 206) }
```

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

```
.border{ border-color:rgb(227, 163, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 163, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 163, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 163, 206); box-shadow:4px 4px 4px 4px rgb(227, 163, 206) }
```

# Background

The CSS property to change the background color of an element to RYB 227, 163, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 163, 206) }
```

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

```
.background{ background-color: rgb(227,  
163, 206) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor