

# Converting Colors

`RYB(226, 160, 206)`

Have a look what the booklet for  
RYB(226, 160, 206) contains.

<b>RYB(226, 160, 206)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(226, 160, 206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A0CE
RGB	226, 160, 206
RGB Percent	89%, 63%, 81%
CMY	0.1137, 0.3725, 0.1922
CMYK	0.00, 0.29, 0.09, 0.11
HSL	318°, 53%, 76%
HSV	318°, 29%, 89%
XYZ	55.0754, 45.7666, 64.3236
YIQ	184.9780, 24.5700, 28.2980

# Conversions

## Conversions Part 2

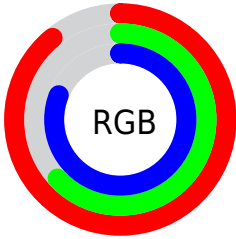
Format	Color
R <sub>Y</sub> B	226, 160, 206
Decimal	14852302
CIE Lab	73.39, 31.53, -13.69
CIE LCh	73, 34.372, 336.531
Yxy	45.7666, 0.3335, 0.2771
Android (android.graphics.Color)	4293042382 (0xFFE2A0CE)
YUV	184.9780, 10.3638, 35.9763
Hunter-Lab	67.6510, 26.9295, -9.0181

# Details

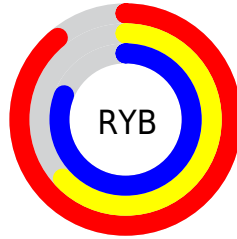
The RYB color **226, 160, 206** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **160, 211, 226**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **255, 215, 255**, and **170, 108, 152** is the 20% darker color. If you saturate the color by 10%, you get **226, 137, 199**, and if you desaturate by 10%, it is **226, 183, 213**.

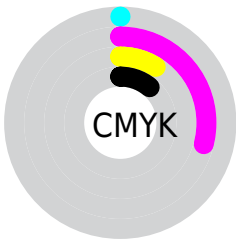
# Distribution



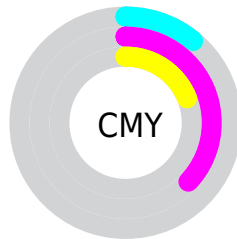
- Red (89%)
- Green (63%)
- Blue (81%)



- Red (89%)
- Yellow (63%)
- Blue (81%)



- Cyan (0%)
- Magenta (29%)
- Yellow (9%)
- Black (11%)



- Cyan (11%)
- Magenta (37%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 226, 160, 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 226, 160, 206 by changing the saturation by 10% instead.




 226, 160, 206

 226, 160, 206


255, 255, 255

 198, 133, 178


 255, 215, 255

 170, 108, 152

 255, 244, 255

 143, 83, 126

 116, 58, 101

 91, 35, 77

 66, 9, 54

 44, 0, 33

 5, 0, 6

 0, 0, 0

 226, 160, 206

 226, 160, 206

 226, 137, 199

 226, 183, 213

 226, 115, 192

 226, 205, 220

 226, 92, 185

 226, 227, 228

 226, 70, 179

 226, 245, 250

 226, 47, 172

 226, 246, 255

 226, 24, 165

 226, 243, 255

 226, 2, 158

 226, 241, 255

 226, 0, 158

 226, 241, 255

# Harmonies

## Analogous

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



193, 170, 231



226, 160, 206



242, 156, 174

# Triad

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



226, 160, 206



134, 195, 117



71, 138, 217

# Complementary

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



226, 160, 206



160, 211, 226

# 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.



87, 146, 198



226, 160, 206



129, 190, 158

# Square

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



226, 160, 206



223, 212, 123



123, 173, 195



100, 154, 237

# Rectangle

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



226, 160, 206



242, 158, 154



123, 173, 195



72, 137, 207



# Sweetspot

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



226, 160, 206



255, 232, 248



180, 160, 226



128, 113, 123



0, 0, 0



128, 128, 128



# Same Dimension

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



226, 160, 206



255, 166, 228



226, 160, 173



112, 101, 109



176, 0, 123



48, 0, 34



# Inverse Universe

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



226, 160, 206



255, 166, 228



160, 197, 226



112, 101, 109



176, 0, 123

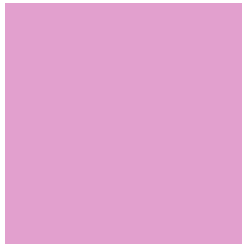


48, 0, 34



# Previews

## White Background



This preview shows how the RYB color 226, 160, 206 looks on a white background.

## Color Contrast Check

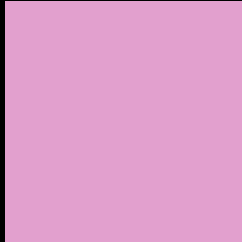
Large Text (above 18pt) WCAG AA × Fail

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 226, 160, 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 226, 160, 206 Background



This preview shows how black text looks on a background with the RYB color 226, 160, 206.

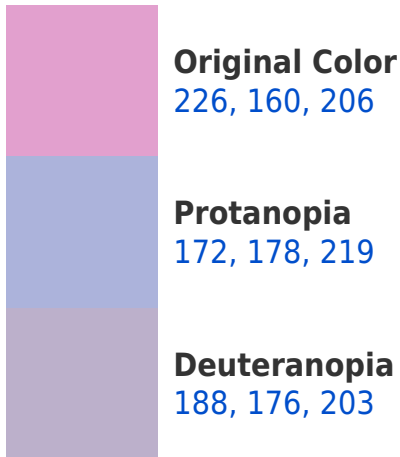


This preview shows how white text looks on a background with the RYB color 226, 160, 206.

# 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

222, 165, 178

# Trichromacy



**Original Color**

226, 160, 206



**Protanomaly**

192, 172, 214



**Deuteranomaly**

202, 170, 204



**Tritanomaly**

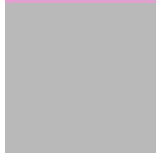
223, 163, 188

# Monochromacy



**Original Color**

226, 160, 206



**Achromatopsia**

185, 185, 185



**Achromatomaly**

200, 176, 193

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 226, 160, 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(226, 160, 206) looks like.

```
.text, #text, p{  
    color:rgb(226, 160, 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(226, 160, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 160, 206) }
```

## Border

The CSS property to change the border of an element to RYB 226, 160, 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(226, 160, 206) }
```

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

```
.border{ border-color:rgb(226, 160, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 160, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 160, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 160, 206);  
box-shadow:4px 4px 4px 4px rgb(226, 160,  
206) }
```

# Background

The CSS property to change the background color of an element to RYB 226, 160, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 160, 206) }
```

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

```
.background{ background-color: rgb(226,  
160, 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