

# Converting Colors

`RYB(186, 164, 211)`

Have a look what the booklet for  
RYB(186, 164, 211) contains.

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# Color

**R<sub>Y</sub>B(186, 164, 211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAA4D3
RGB	186, 164, 211
RGB Percent	73%, 64%, 83%
CMY	0.2706, 0.3569, 0.1725
CMYK	0.12, 0.22, 0.00, 0.17
HSL	268°, 35%, 74%
HSV	268°, 22%, 83%
XYZ	45.2830, 41.6932, 67.2889
YIQ	175.9360, -1.9750, 19.2810

# Conversions

## Conversions Part 2

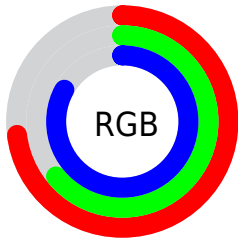
Format	Color
R <sub>YB</sub>	186, 164, 211
Decimal	12231891
CIE <sub>Lab</sub>	70.66, 16.98, -20.94
CIE <sub>LCh</sub>	71, 26.965, 309.038
Yxy	41.6932, 0.2935, 0.2703
Android (android.graphics.Color)	4290421971 (0xFFBAA4D3)
YUV	175.9360, 17.2866, 8.8261
Hunter-Lab	64.5702, 12.1839, -16.5872

# Details

The RYB color **186, 164, 211** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **164, 211, 186**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **242, 219, 255**, and **132, 112, 156** is the 20% darker color. If you saturate the color by 10%, you get **175, 143, 211**, and if you desaturate by 10%, it is **197, 185, 211**.

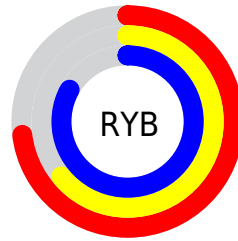
# Distribution



Red (73%)

Green (64%)

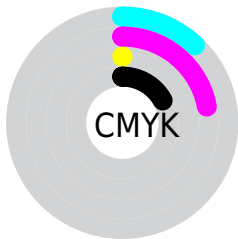
Blue (83%)



Red (73%)

Yellow (64%)

Blue (83%)

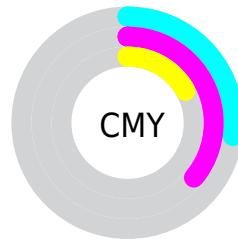


Cyan (12%)

Magenta (22%)

Yellow (0%)

Black (17%)



Cyan (27%)

Magenta (36%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 186, 164, 211 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 186, 164, 211 by changing the saturation by 10% instead.





 186, 164, 211

255, 255, 255

 242, 219, 255

 255, 248, 255

 186, 164, 211

 159, 138, 183

 132, 112, 156

 107, 88, 130

 82, 64, 105

 59, 42, 81

 36, 21, 57

 18, 0, 36

 0, 0, 12

 0, 0, 0

 186, 164, 211


 186, 164, 211


 175, 143, 211


 197, 185, 211


 164, 122, 211


 208, 206, 211


 152, 101, 211

 211, 227, 218


 141, 80, 211

 211, 248, 228


 130, 59, 211

 211, 255, 224

 119, 37, 211

 211, 255, 213

 107, 16, 211

 211, 255, 211

 99, 0, 211

# Harmonies

## Analogous

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



153, 168, 221



186, 164, 211



210, 157, 191

# Triad

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



186, 164, 211



206, 198, 128



105, 148, 187

# Complementary

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



186, 164, 211



164, 211, 186

# 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.



128, 167, 185



186, 164, 211



135, 183, 124

# Square

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



186, 164, 211



220, 162, 143



134, 181, 159



100, 147, 203

# Rectangle

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



186, 164, 211



220, 155, 175



134, 181, 159



112, 154, 187



# Sweetspot

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



186, 164, 211



246, 237, 255



164, 180, 211



122, 117, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



186, 164, 211



218, 186, 255



209, 164, 211



99, 94, 105



79, 0, 168



19, 0, 41



# Inverse Universe

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



211, 164, 189



255, 186, 223



164, 211, 209



105, 94, 100



168, 0, 90

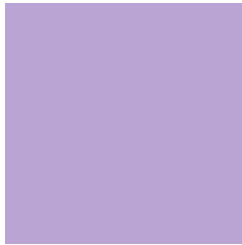


41, 0, 22



# Previews

## White Background



This preview shows how the RYB color 186, 164, 211 looks on a white background.

## Color Contrast Check

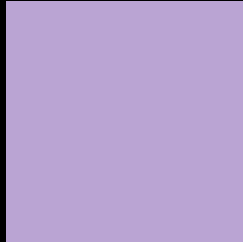
Large Text (above 18pt) WCAG AA × Fail

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 186, 164, 211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

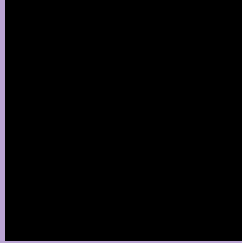
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 186, 164, 211 Background**



This preview shows how black text looks on a background with the RYB color 186, 164, 211.

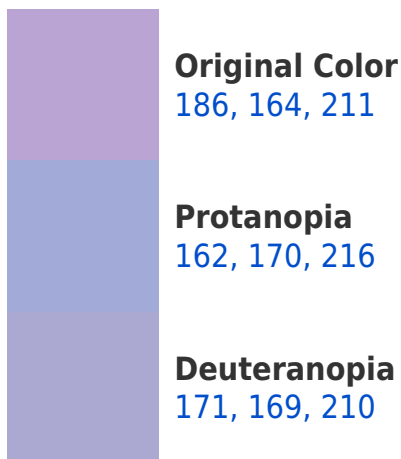


This preview shows how white text looks on a background with the RYB color 186, 164, 211.

# 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**  
181, 169, 182

# Trichromacy



**Original Color**  
186, 164, 211

**Protanomaly**  
171, 168, 214

**Deuteranomaly**  
176, 167, 210

**Tritanomaly**  
183, 167, 193

# Monochromacy



**Original Color**  
186, 164, 211

**Achromatopsia**  
176, 176, 176

**Achromatomaly**  
180, 172, 189

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 186, 164, 211 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(186, 164, 211)` looks like.

```
.text, #text, p{  
    color:rgb(186, 164, 211)  
}
```

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(186, 164, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 164, 211) }
```

## Border

The CSS property to change the border of an element to RYB 186, 164, 211 is called "border". The border property can be set on classes, ids or directly on the HTML element.

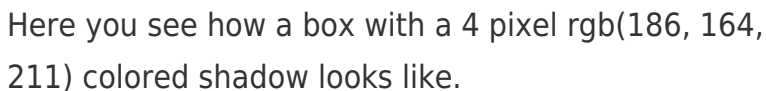
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 164, 211) }
```

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

```
.border{ border-color:rgb(186, 164, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 164, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 164, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 164, 211); box-shadow:4px 4px 4px 4px rgb(186, 164, 211) }
```

# Background

The CSS property to change the background color of an element to RYB 186, 164, 211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 164, 211) }
```

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

```
.background{ background-color: rgb(186,  
164, 211) }
```

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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