

# Converting Colors

`RYB(186, 169, 242)`

Have a look what the booklet for  
RYB(186, 169, 242) contains.

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# Color

**R<sub>Y</sub>B(186, 169, 242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAA9F2
RGB	186, 169, 242
RGB Percent	73%, 66%, 95%
CMY	0.2706, 0.3373, 0.0510
CMYK	0.23, 0.30, 0.00, 0.05
HSL	254°, 74%, 81%
HSV	254°, 30%, 95%
XYZ	50.4647, 45.2258, 90.0741
YIQ	182.4050, -13.3010, 26.3070

# Conversions

## Conversions Part 2

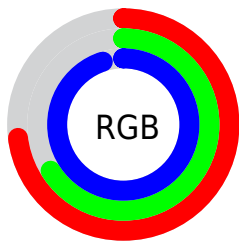
Format	Color
R <sub>Y</sub> B	186, 169, 242
Decimal	12233202
CIE Lab	73.04, 21.08, -34.23
CIE LCh	73, 40.200, 301.625
Yxy	45.2258, 0.2717, 0.2435
Android (android.graphics.Color)	4290423282 (0xFFBAA9F2)
YUV	182.4050, 29.3803, 3.1528
Hunter-Lab	67.2502, 16.2590, -32.3372

# Details

The RYB color **186, 169, 242** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **169, 242, 186**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **243, 224, 255**, and **132, 117, 186** is the 20% darker color. If you saturate the color by 10%, you get **167, 145, 242**, and if you desaturate by 10%, it is **205, 193, 242**.

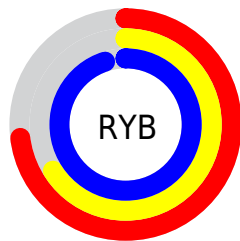
# Distribution



Red (73%)

Green (66%)

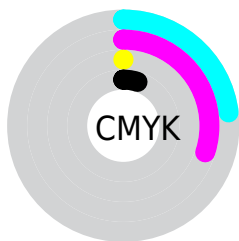
Blue (95%)



Red (73%)

Yellow (66%)

Blue (95%)

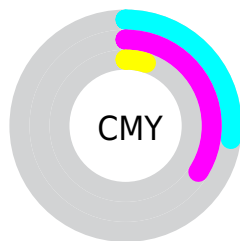


Cyan (23%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (34%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 186, 169, 242 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, 169, 242 by changing the saturation by 10% instead.



 186, 169, 242

255, 255, 255

 243, 224, 255

 255, 253, 255

 186, 169, 242

 158, 143, 213

 132, 117, 186

 105, 92, 158

 80, 69, 132

 55, 46, 107

 29, 25, 82


 5, 0, 59

 0, 2, 36


 0, 0, 12

 186, 169, 242


 186, 169, 242

 167, 145, 242

 205, 193, 242

 149, 121, 242

 223, 217, 242

 130, 96, 242


 242, 242, 242

 112, 72, 242

 242, 255, 242

 93, 48, 242

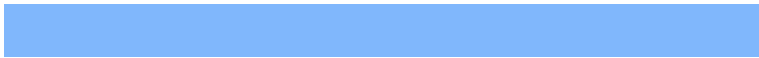
 75, 24, 242

 56, 0, 242

# Harmonies

## Analogous

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



128, 166, 252



186, 169, 242



227, 157, 215

# Triad

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



186, 169, 242



232, 202, 115



65, 137, 199

# Complementary

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



186, 169, 242



169, 242, 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.



118, 177, 196



186, 169, 242



135, 201, 105

# Square

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



186, 169, 242



249, 155, 143



115, 189, 141



0, 104, 217

# Rectangle

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



186, 169, 242



244, 151, 191



115, 189, 141



84, 150, 198



# Sweetspot

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



186, 169, 242



237, 232, 255



169, 201, 242



117, 113, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



186, 169, 242



185, 163, 255



221, 169, 242



111, 108, 120



43, 0, 184



13, 0, 56



# Inverse Universe

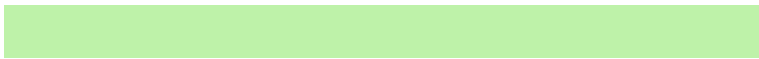
The Inverse Universe completely reimagines the original color for something new.



242, 169, 225



255, 163, 234



169, 242, 221



120, 108, 117



184, 0, 141

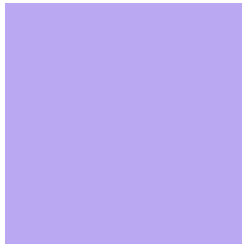


56, 0, 43



# Previews

## White Background



This preview shows how the RYB color 186, 169, 242 looks on a white background.

## Color Contrast Check

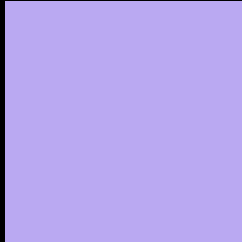
Large Text (above 18pt) WCAG AA × Fail

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, 169, 242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

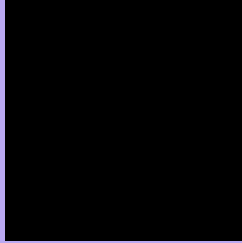
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 186, 169, 242 Background**



This preview shows how black text looks on a background with the RYB color 186, 169, 242.



This preview shows how white text looks on a background with the RYB color 186, 169, 242.

# 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**  
186, 169, 242

**Protanopia**  
158, 174, 248

**Deuteranopia**  
163, 175, 240



**Tritanopia**  
177, 179, 193

# Trichromacy



**Original Color**  
186, 169, 242

**Protanomaly**  
168, 174, 246

**Deuteranomaly**  
171, 174, 241

**Tritanomaly**  
180, 175, 211

# Monochromacy



**Original Color**  
186, 169, 242

**Achromatopsia**  
182, 182, 182

**Achromatomaly**  
183, 177, 204

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 186, 169, 242 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, 169, 242)` looks like.

```
.text, #text, p{  
    color:rgb(186, 169, 242)  
}
```

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, 169, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 169, 242) }
```

## Border

The CSS property to change the border of an element to RYB 186, 169, 242 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, 169, 242) }
```

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

```
.border{ border-color:rgb(186, 169, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 169, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 169, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 169, 242);  
box-shadow:4px 4px 4px 4px rgb(186, 169,  
242) }
```

# Background

The CSS property to change the background color of an element to RYB 186, 169, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 169, 242) }
```

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

```
.background{ background-color: rgb(186,  
169, 242) }
```

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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