

Converting Colors

`RYB(186, 162, 237)`

Have a look what the booklet for
RYB(186, 162, 237) contains.

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Color

R_YB(186, 162, 237)

Conversions

Conversions Part 1

Format	Color
Hex	BAA2ED
RGB	186, 162, 237
RGB Percent	73%, 64%, 93%
CMY	0.2706, 0.3647, 0.0706
CMYK	0.22, 0.32, 0.00, 0.07
HSL	259°, 68%, 78%
HSV	259°, 32%, 93%
XYZ	48.4561, 42.3942, 85.7497
YIQ	177.7260, -9.7710, 28.4130

Conversions

Conversions Part 2

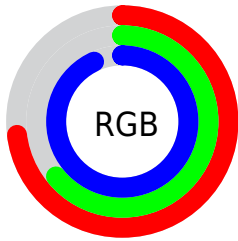
Format	Color
RYB	186, 162, 237
Decimal	12231405
CIELab	71.14, 23.82, -34.45
CIElCh	71, 41.882, 304.659
Yxy	42.3942, 0.2744, 0.2401
Android (android.graphics.Color)	4290421485 (0xFFBAA2ED)
YUV	177.7260, 29.2221, 7.2563
Hunter-Lab	65.1108, 18.8975, -32.5063

Details

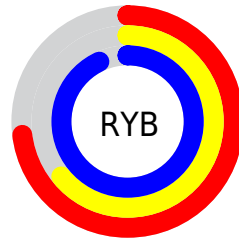
The RYB color **186, 162, 237** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **162, 237, 186**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **243, 217, 255**, and **132, 110, 181** is the 20% darker color. If you saturate the color by 10%, you get **170, 138, 237**, and if you desaturate by 10%, it is **202, 186, 237**.

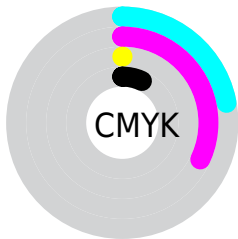
Distribution



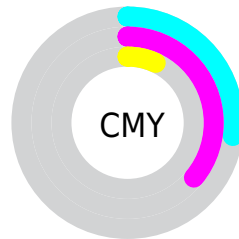
- Red (73%)
- Green (64%)
- Blue (93%)



- Red (73%)
- Yellow (64%)
- Blue (93%)



- Cyan (22%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)



- Cyan (27%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 162, 237 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, 162, 237 by changing the saturation by 10% instead.

 186, 162, 237

255, 255, 255

 243, 217, 255

 255, 246, 255

 186, 162, 237


 158, 136, 209

 132, 110, 181

 105, 86, 154

 80, 62, 128

 55, 40, 102

 30, 19, 78


 10, 0, 55

 0, 2, 32


 0, 0, 5

 186, 162, 237


 186, 162, 237

 170, 138, 237

 202, 186, 237

 154, 115, 237

 218, 209, 237

 138, 91, 237

 234, 233, 237


 122, 67, 237

 237, 255, 242

 105, 43, 237

 237, 255, 237

 89, 20, 237

 76, 0, 237

Harmonies

Analogous

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



126, 162, 250



186, 162, 237



227, 149, 208

Triad

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



186, 162, 237



225, 208, 106



38, 120, 194

Complementary

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



186, 162, 237



162, 237, 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.



105, 167, 192



186, 162, 237



121, 193, 97

Square

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



186, 162, 237



245, 152, 133



110, 185, 143



0, 102, 216

Rectangle

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



186, 162, 237



242, 144, 183



110, 185, 143



65, 137, 194

Sweetspot

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



186, 162, 237



239, 232, 255



162, 192, 237



118, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



186, 162, 237



189, 158, 255



223, 162, 237



109, 106, 117



58, 0, 181



17, 0, 54

Inverse Universe

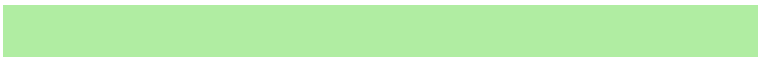
The Inverse Universe completely reimagines the original color for something new.



237, 162, 213



255, 158, 224



162, 237, 223



117, 106, 114



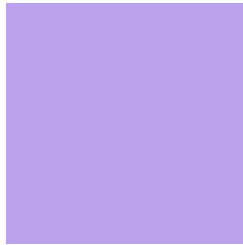
181, 0, 123



54, 0, 36

Previews

White Background



This preview shows how the RYB color 186, 162, 237 looks on a white background.

Color Contrast Check

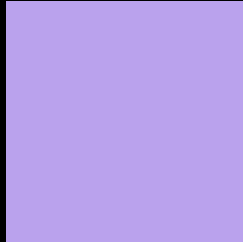
Large Text (above 18pt) WCAG AA × Fail

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, 162, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

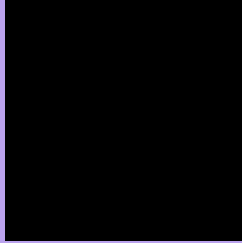
Any Text WCAG AA ✓ Pass

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, 162, 237 Background



This preview shows how black text looks on a background with the RYB color 186, 162, 237.

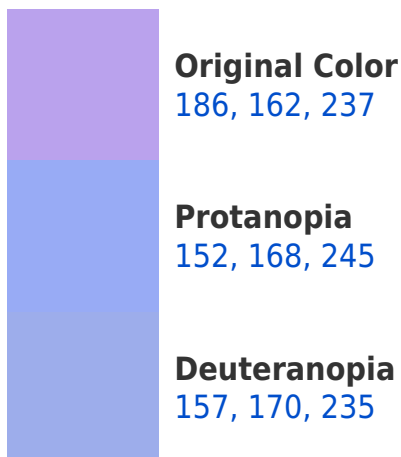


This preview shows how white text looks on a background with the RYB color 186, 162, 237.

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
177, 172, 186

Trichromacy



Original Color
186, 162, 237

Protanomaly
164, 168, 242

Deuteranomaly
168, 168, 236

Tritanomaly
180, 168, 205

Monochromacy



Original Color
186, 162, 237

Achromatopsia
178, 178, 178

Achromatomaly
181, 172, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 162, 237 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, 162, 237)` looks like.

```
.text, #text, p{  
    color:rgb(186, 162, 237)  
}
```

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, 162, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 162, 237) }
```

Border

The CSS property to change the border of an element to RYB 186, 162, 237 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, 162, 237) }
```

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

```
.border{ border-color:rgb(186, 162, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 162, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 162, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 162, 237);  
box-shadow:4px 4px 4px 4px rgb(186, 162,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 186, 162, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 162, 237) }
```

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

```
.background{ background-color: rgb(186,  
162, 237) }
```

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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