

Converting Colors

`RYB(165, 135, 189)`

Have a look what the booklet for
RYB(165, 135, 189) contains.

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Color

R_YB(165, 135, 189)

Conversions

Conversions Part 1

Format	Color
Hex	A587BD
RGB	165, 135, 189
RGB Percent	65%, 53%, 74%
CMY	0.3529, 0.4706, 0.2588
CMYK	0.13, 0.29, 0.00, 0.26
HSL	273°, 29%, 64%
HSV	273°, 29%, 74%
XYZ	33.3663, 29.0014, 51.9833
YIQ	150.1260, 0.5460, 23.1540

Conversions

Conversions Part 2

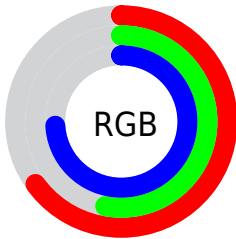
Format	Color
RYB	165, 135, 189
Decimal	10848189
CIELab	60.78, 21.76, -23.93
CIELCh	61, 32.342, 312.277
Yxy	29.0014, 0.2918, 0.2536
Android (android.graphics.Color)	4289038269 (0xFFA587BD)
YUV	150.1260, 19.1649, 13.0445
Hunter-Lab	53.8529, 16.3528, -19.5346

Details

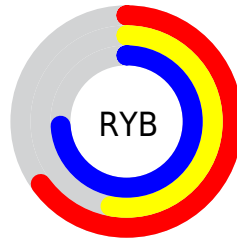
The RYB color **165, 135, 189** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **135, 189, 165**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **221, 188, 245**, and **112, 85, 136** is the 20% darker color. If you saturate the color by 10%, you get **157, 116, 189**, and if you desaturate by 10%, it is **173, 154, 189**.

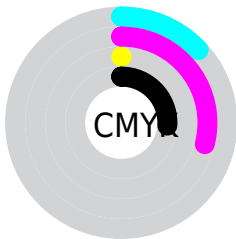
Distribution



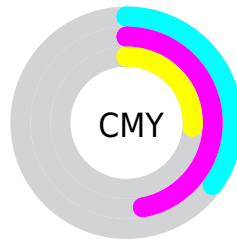
- Red (65%)
- Green (53%)
- Blue (74%)



- Red (65%)
- Yellow (53%)
- Blue (74%)



- Cyan (13%)
- Magenta (29%)
- Yellow (0%)
- Black (26%)



- Cyan (35%)
- Magenta (47%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 135, 189 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 165, 135, 189 by changing the saturation by 10% instead.

 165, 135, 189

255, 255, 255

 221, 188, 245

 249, 216, 255


 255, 245, 255


 165, 135, 189

 138, 110, 162


 112, 85, 136

 87, 61, 110

 63, 39, 85

 40, 18, 62

 23, 0, 40

 0, 1, 18

 0, 0, 0

 165, 135, 189

 165, 135, 189

■ 157, 116, 189

■ 173, 154, 189

■ 148, 97, 189

■ 182, 173, 189

■ 140, 78, 189

■ 189, 192, 191

■ 131, 59, 189

■ 189, 211, 201

■ 123, 40, 189

■ 189, 230, 212

■ 115, 22, 189

■ 189, 248, 222

■ 106, 3, 189

■ 189, 255, 220

■ 105, 0, 189

■ 189, 255, 212

■ 189, 255, 203

Harmonies

Analogous

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



125, 141, 202



165, 135, 189



192, 127, 165

Triad

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



165, 135, 189



171, 180, 93



50, 107, 162

Complementary

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



165, 135, 189



135, 189, 165

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, 135, 161



165, 135, 189



95, 154, 90

Square

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



165, 135, 189



198, 136, 110



103, 156, 137



37, 104, 184

Rectangle

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



165, 135, 189



201, 125, 146



103, 156, 137



62, 116, 162

Sweetspot

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



165, 135, 189



235, 223, 245



135, 152, 189



116, 109, 122



250, 250, 250



122, 122, 122

Same Dimension

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



165, 135, 189



208, 162, 245



189, 135, 186



90, 85, 94



88, 0, 158



17, 0, 31

Inverse Universe

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



189, 135, 159



245, 162, 199



135, 186, 189



94, 85, 89



158, 0, 70



31, 0, 14

Previews

White Background



This preview shows how the RYB color 165, 135, 189 looks on a white background.

Color Contrast Check

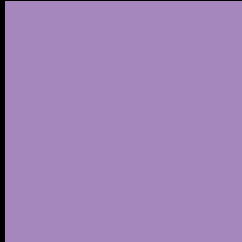
Large Text (above 18pt) WCAG AA ✓ Pass

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 165, 135, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

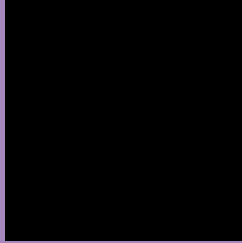
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 165, 135, 189 Background



This preview shows how black text looks on a background with the RYB color 165, 135, 189.

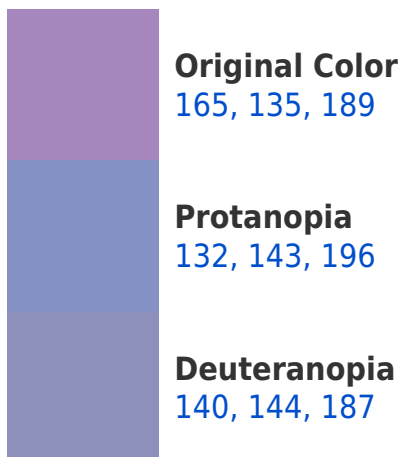



This preview shows how white text looks on a background with the RYB color 165, 135, 189.

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
159, 142, 153

Trichromacy



Original Color
165, 135, 189

Protanomaly
144, 141, 193

Deuteranomaly
149, 141, 188

Tritanomaly
161, 139, 166

Monochromacy



Original Color
165, 135, 189

Achromatopsia
150, 150, 150

Achromatomaly
155, 145, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 135, 189 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(165, 135, 189)` looks like.

```
.text, #text, p{  
    color:rgb(165, 135, 189)  
}
```

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(165, 135, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 135, 189) }
```

Border

The CSS property to change the border of an element to RYB 165, 135, 189 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(165, 135, 189) }
```

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

```
.border{ border-color:rgb(165, 135, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 135, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 135, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 135, 189);  
box-shadow:4px 4px 4px 4px rgb(165, 135,  
189) }
```

Background

The CSS property to change the background color of an element to RYB 165, 135, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 135, 189) }
```

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

```
.background{ background-color: rgb(165,  
135, 189) }
```

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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