

# Converting Colors

`RYB(189, 26, 121)`

Have a look what the booklet for RYB(189, 26, 121) contains.

<b>RYB(189, 26, 121)</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

**`RYB(189, 26, 121)`**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD1A79
RGB	189, 26, 121
RGB Percent	74%, 10%, 47%
CMY	0.2588, 0.8980, 0.5255
CMYK	0.00, 0.86, 0.36, 0.26
HSL	325°, 76%, 42%
HSV	325°, 86%, 74%
XYZ	24.8069, 12.9381, 19.2790
YIQ	85.5670, 66.6530, 64.1010

# Conversions

## Conversions Part 2

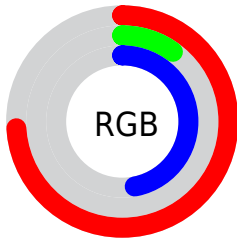
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 26, 121
Decimal	12393081
CIE <sub>Lab</sub>	42.67, 66.64, -11.15
CIE <sub>LCh</sub>	43, 67.572, 350.501
Yxy	12.9381, 0.4350, 0.2269
Android (android.graphics.Color)	4290583161 (0xFFBD1A79)
YUV	85.5670, 17.4685, 90.7107
Hunter-Lab	35.9695, 60.1581, -6.5996

# Details

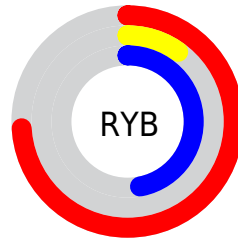
The RYB color **189, 26, 121** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **26, 141, 189**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **250, 94, 173**, and **130, 0, 72** is the 20% darker color. If you saturate the color by 10%, you get **189, 7, 113**, and if you desaturate by 10%, it is **189, 45, 129**.

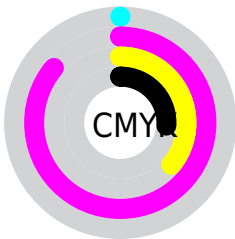
# Distribution



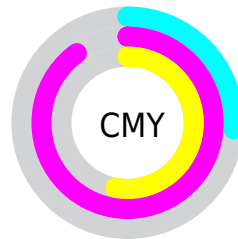
- Red (74%)
- Green (10%)
- Blue (47%)



- Red (74%)
- Yellow (10%)
- Blue (47%)



- Cyan (0%)
- Magenta (86%)
- Yellow (36%)
- Black (26%)



- Cyan (26%)
- Magenta (90%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 189, 26, 121 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 189, 26, 121 by changing the saturation by 10% instead.





189, 26, 121



189, 26, 121

255, 255, 255



159, 0, 96



250, 94, 173



130, 0, 72



255, 123, 201



101, 0, 50



255, 151, 229



74, 0, 29



255, 180, 255



46, 0, 2



255, 210, 255



0, 0, 0



255, 239, 255



189, 26, 121



189, 26, 121



189, 7, 113



189, 45, 129

■ 189, 0, 110

■ 189, 64, 137

■ 189, 83, 145

■ 189, 102, 153

■ 189, 121, 160

■ 189, 139, 168

■ 189, 158, 176

■ 189, 177, 184

■ 189, 194, 196

# Harmonies

## Analogous

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



148, 64, 173



189, 26, 121



195, 29, 66

# Triad

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



189, 26, 121



0, 109, 22



0, 74, 187

# Complementary

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



189, 26, 121



26, 141, 189

# 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.



0, 66, 139



189, 26, 121



0, 105, 119

# Square

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



189, 26, 121



69, 138, 0



0, 75, 123



0, 74, 212

# Rectangle

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



189, 26, 121



185, 57, 29



0, 75, 123



0, 72, 173



# Sweetspot

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



189, 26, 121



245, 181, 218



94, 26, 189



122, 84, 107



250, 250, 250



122, 122, 122



# Same Dimension

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



189, 26, 121



245, 0, 143



189, 26, 40



94, 85, 90



158, 0, 92



31, 0, 18



# Inverse Universe

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



189, 26, 121



245, 0, 143



26, 111, 189



94, 85, 90



158, 0, 92



31, 0, 18



# Previews

## White Background



This preview shows how the RYB color 189, 26, 121 looks on a white background.

## Color Contrast Check

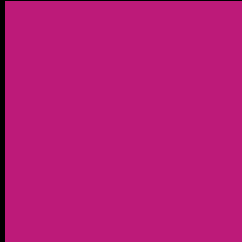
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 189, 26, 121 looks on a black 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

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



## RYB 189, 26, 121 Background



This preview shows how black text looks on a background with the RYB color 189, 26, 121.

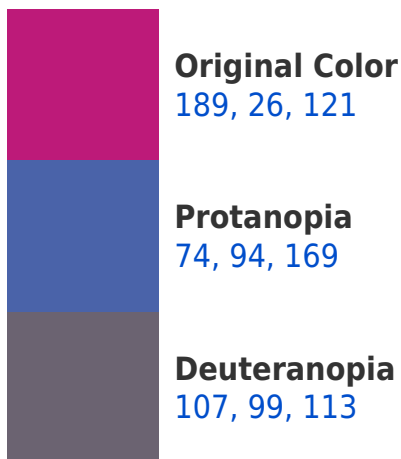


This preview shows how white text looks on a background with the RYB color 189, 26, 121.

# 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](#).

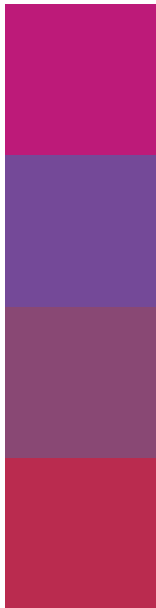
## Dichromacy





**Tritanopia**  
185, 52, 55

# Trichromacy



**Original Color**  
189, 26, 121

**Protanomaly**  
116, 73, 152

**Deuteranomaly**  
137, 72, 116

**Tritanomaly**  
186, 43, 79

# Monochromacy



**Original Color**  
189, 26, 121

**Achromatopsia**  
86, 86, 86

**Achromatomaly**  
123, 64, 99

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 189, 26, 121 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(189, 26, 121)` looks like.

```
.text, #text, p{  
    color:rgb(189, 26, 121)  
}
```

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(189, 26, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 26, 121) }
```

## Border

The CSS property to change the border of an element to RYB 189, 26, 121 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(189, 26, 121) }
```

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

```
.border{ border-color:rgb(189, 26, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 26, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 26, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 26, 121);  
box-shadow:4px 4px 4px 4px rgb(189, 26,  
121) }
```

# Background

The CSS property to change the background color of an element to RYB 189, 26, 121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 26, 121) }
```

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

```
.background{ background-color: rgb(189, 26,  
121) }
```

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