

Converting Colors

`RYB(186, 28, 133)`

Have a look what the booklet for
RYB(186, 28, 133) contains.

RYB(186, 28, 133)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(186, 28, 133)`

Conversions

Conversions Part 1

Format	Color
Hex	BA1C85
RGB	186, 28, 133
RGB Percent	73%, 11%, 52%
CMY	0.2706, 0.8902, 0.4784
CMYK	0.00, 0.85, 0.28, 0.27
HSL	320°, 74%, 42%
HSV	320°, 85%, 73%
XYZ	24.8986, 12.9631, 23.3801
YIQ	87.2120, 60.4630, 66.1510

Conversions

Conversions Part 2

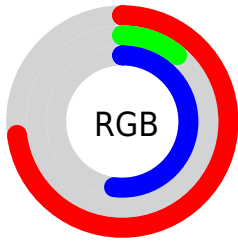
Format	Color
R_{YB}	186, 28, 133
Decimal	12196997
CIE _{Lab}	42.71, 66.88, -18.54
CIE _{LCh}	43, 69.399, 344.502
Yxy	12.9631, 0.4066, 0.2117
Android (android.graphics.Color)	4290387077 (0xFFBA1C85)
YUV	87.2120, 22.5735, 86.6371
Hunter-Lab	36.0043, 60.4335, -13.2982

Details

The RYB color **186, 28, 133** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **28, 146, 186**, and the grayscale version is **87, 87, 87**.

A 20% lighter version of the original color is **246, 94, 186**, and **128, 0, 83** is the 20% darker color. If you saturate the color by 10%, you get **186, 9, 127**, and if you desaturate by 10%, it is **186, 47, 139**.

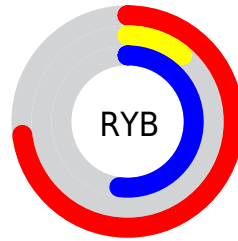
Distribution



Red (73%)

Green (11%)

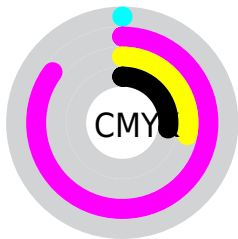
Blue (52%)



Red (73%)

Yellow (11%)

Blue (52%)

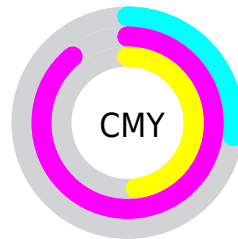


Cyan (0%)

Magenta (85%)

Yellow (28%)

Black (27%)



Cyan (27%)

Magenta (89%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 28, 133 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, 28, 133 by changing the saturation by 10% instead.

 186, 28, 133

 186, 28, 133

255, 255, 255

 157, 0, 108

 246, 94, 186

 128, 0, 83

 255, 123, 214

 99, 0, 60

 255, 152, 242

 72, 0, 38

 255, 181, 255

 45, 0, 15

 255, 210, 255

 0, 0, 0

 255, 240, 255

 186, 28, 133

 186, 28, 133

 186, 9, 127

 186, 47, 139

■ 186, 0, 124

■ 186, 65, 145

■ 186, 84, 152

■ 186, 102, 158

■ 186, 121, 164

■ 186, 140, 170

■ 186, 158, 177

■ 186, 177, 183

■ 186, 193, 195

Harmonies

Analogous

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



136, 69, 184



186, 28, 133



199, 14, 76

Triad

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



186, 28, 133



0, 107, 9



0, 74, 181

Complementary

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



186, 28, 133



28, 146, 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.



0, 63, 128



186, 28, 133



0, 118, 112

Square

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



186, 28, 133



101, 147, 0



0, 79, 123



0, 75, 213

Rectangle

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



186, 28, 133



191, 43, 39



0, 79, 123



0, 71, 165

Sweetspot

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



186, 28, 133



242, 182, 222



81, 28, 186



122, 86, 110



250, 250, 250



122, 122, 122

Same Dimension

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



186, 28, 133



242, 0, 161



186, 28, 54



92, 83, 89



156, 0, 103



28, 0, 19

Inverse Universe

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



186, 28, 133



242, 0, 161



28, 114, 186



92, 83, 89



156, 0, 103



28, 0, 19

Previews

White Background



This preview shows how the RYB color 186, 28, 133 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 186, 28, 133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

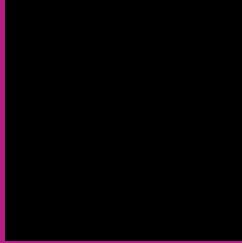
Any Text WCAG AA × Fail

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 186, 28, 133 Background



This preview shows how black text looks on a background with the RYB color 186, 28, 133.

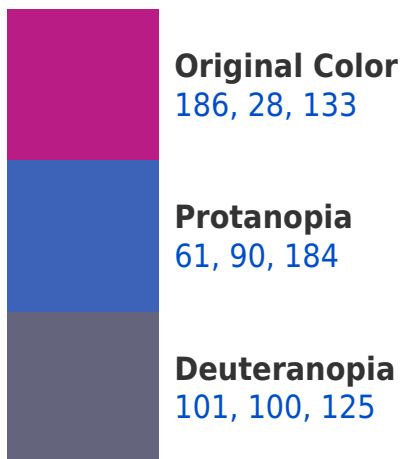


This preview shows how white text looks on a background with the RYB color 186, 28, 133.

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, 57, 60

Trichromacy



Original Color

186, 28, 133



Protanomaly

106, 73, 165



Deuteranomaly

132, 74, 128



Tritanomaly

183, 46, 87

Monochromacy



Original Color

186, 28, 133



Achromatopsia

87, 87, 87



Achromatomaly

123, 66, 104

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 28, 133 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, 28, 133)` looks like.

```
.text, #text, p{  
    color:rgb(186, 28, 133)  
}
```

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, 28, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 28, 133) }
```

Border

The CSS property to change the border of an element to RYB 186, 28, 133 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, 28, 133) }
```

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

```
.border{ border-color:rgb(186, 28, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 28, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 28, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 28, 133);  
box-shadow:4px 4px 4px 4px rgb(186, 28,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 186, 28, 133 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 28, 133) }
```

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

```
.background{ background-color: rgb(186, 28,  
133) }
```

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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