

Converting Colors

`RYB(181, 18, 126)`

Have a look what the booklet for
RYB(181, 18, 126) contains.

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Color

R_YB(181, 18, 126)

Conversions

Conversions Part 1

Format	Color
Hex	B5127E
RGB	181, 18, 126
RGB Percent	71%, 7%, 49%
CMY	0.2902, 0.9294, 0.5059
CMYK	0.00, 0.90, 0.30, 0.29
HSL	320°, 82%, 39%
HSV	320°, 90%, 71%
XYZ	23.0383, 11.7627, 20.7948
YIQ	79.0490, 62.4800, 68.1440

Conversions

Conversions Part 2

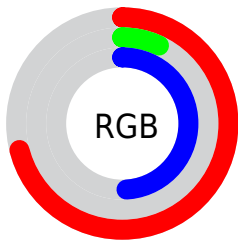
Format	Color
RYB	181, 18, 126
Decimal	11866750
CIELab	40.84, 66.77, -17.18
CIElCh	41, 68.941, 345.568
Yxy	11.7627, 0.4144, 0.2116
Android (android.graphics.Color)	4290056830 (0xFFB5127E)
YUV	79.0490, 23.1468, 89.4110
Hunter-Lab	34.2968, 59.8846, -11.9409

Details

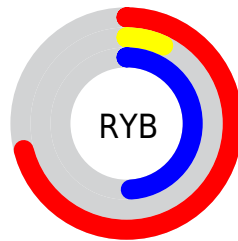
The RYB color **181, 18, 126** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18, 140, 181**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **241, 89, 179**, and **123, 0, 77** is the 20% darker color. If you saturate the color by 10%, you get **181, 0, 120**, and if you desaturate by 10%, it is **181, 36, 132**.

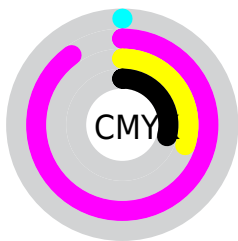
Distribution



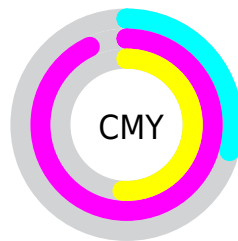
- Red (71%)
- Green (7%)
- Blue (49%)



- Red (71%)
- Yellow (7%)
- Blue (49%)



- Cyan (0%)
- Magenta (90%)
- Yellow (30%)
- Black (29%)



- Cyan (29%)
- Magenta (93%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 18, 126 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 181, 18, 126 by changing the saturation by 10% instead.



181, 18, 126



181, 18, 126

255, 255, 255



152, 0, 101



241, 89, 179



123, 0, 77



255, 118, 206



95, 0, 54



255, 147, 235



68, 0, 33



255, 176, 255



40, 0, 5



255, 205, 255



0, 0, 0



255, 234, 255



181, 18, 126




181, 18, 126





181, 0, 120





181, 36, 132


 181, 54, 138


 181, 72, 144


 181, 90, 150

 181, 109, 157

 181, 127, 163

 181, 145, 169

 181, 163, 175

 181, 181, 181

Harmonies

Analogous

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



133, 64, 176



181, 18, 126



192, 3, 70

Triad

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



181, 18, 126



0, 103, 12



0, 71, 177

Complementary

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



181, 18, 126



18, 140, 181

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, 61, 125



181, 18, 126



0, 113, 113

Square

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



181, 18, 126



93, 140, 0



0, 76, 118



0, 72, 207

Rectangle

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



181, 18, 126



184, 39, 33



0, 76, 118



0, 68, 161

Sweetspot

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



181, 18, 126



235, 171, 213



72, 18, 181



117, 80, 105



245, 245, 245



117, 117, 117

Same Dimension

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



181, 18, 126



235, 0, 155



181, 18, 45



89, 80, 86



153, 0, 101



26, 0, 17

Inverse Universe

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



181, 18, 126



235, 0, 155



18, 107, 181



89, 80, 86



153, 0, 101



26, 0, 17

Previews

White Background



This preview shows how the RYB color 181, 18, 126 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 181, 18, 126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

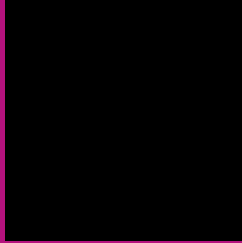
Any Text WCAG AA × Fail

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 181, 18, 126 Background



This preview shows how black text looks on a background with the RYB color 181, 18, 126.



This preview shows how white text looks on a background with the RYB color 181, 18, 126.

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

181, 18, 126

Protanopia

58, 86, 177

Deuteranopia

98, 96, 118



Tritanopia
176, 52, 54

Trichromacy



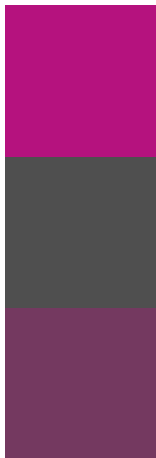
Original Color
181, 18, 126

Protanomaly
103, 67, 158

Deuteranomaly
128, 68, 121

Tritanomaly
178, 40, 80

Monochromacy



Original Color
181, 18, 126

Achromatopsia
79, 79, 79

Achromatomaly
116, 57, 96

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 18, 126 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(181, 18, 126)` looks like.

```
.text, #text, p{  
    color:rgb(181, 18, 126)  
}
```

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(181, 18, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 18, 126) }
```

Border

The CSS property to change the border of an element to RYB 181, 18, 126 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(181, 18, 126) }
```

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

```
.border{ border-color:rgb(181, 18, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 18, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 18, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 18, 126);  
box-shadow:4px 4px 4px 4px rgb(181, 18,  
126) }
```

Background

The CSS property to change the background color of an element to RGB 181, 18, 126 is called "background".

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

```
.background, #background, body{  
background: rgb(181, 18, 126) }
```

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

```
.background{ background-color: rgb(181, 18,  
126) }
```

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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