

Converting Colors

`RYB(126, 18, 171)`

Have a look what the booklet for
RYB(126, 18, 171) contains.

RYB(126, 18, 171)	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

R_YB(126, 18, 171)

Conversions

Conversions Part 1

Format	Color
Hex	7E12AB
RGB	126, 18, 171
RGB Percent	49%, 7%, 67%
CMY	0.5059, 0.9294, 0.3294
CMYK	0.26, 0.89, 0.00, 0.33
HSL	282°, 81%, 37%
HSV	282°, 89%, 67%
XYZ	16.1712, 7.8085, 39.1830
YIQ	67.7340, 15.2550, 70.4790

Conversions

Conversions Part 2

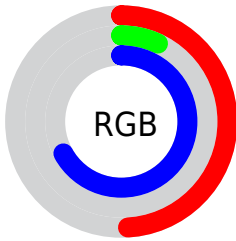
Format	Color
R_{YB}	126, 18, 171
Decimal	8262315
CIE _{Lab}	33.58, 63.35, -56.77
CIE _{LCh}	34, 85.066, 318.133
Yxy	7.8085, 0.2560, 0.1236
Android (android.graphics.Color)	4286452395 (0xFF7E12AB)
YUV	67.7340, 50.9101, 51.0993
Hunter-Lab	27.9437, 54.3975, -63.5765

Details

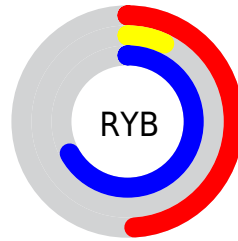
The RYB color **126, 18, 171** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **18, 171, 126**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **183, 81, 227**, and **70, 0, 118** is the 20% darker color. If you saturate the color by 10%, you get **121, 1, 171**, and if you desaturate by 10%, it is **131, 35, 171**.

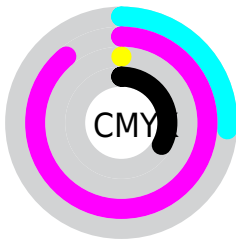
Distribution



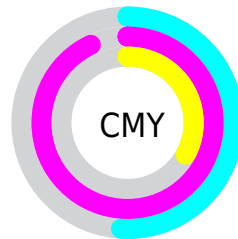
- Red (49%)
- Green (7%)
- Blue (67%)



- Red (49%)
- Yellow (7%)
- Blue (67%)



- Cyan (26%)
- Magenta (89%)
- Yellow (0%)
- Black (33%)



- Cyan (51%)
- Magenta (93%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 126, 18, 171 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 126, 18, 171 by changing the saturation by 10% instead.



126, 18, 171



126, 18, 171

255, 255, 255



98, 0, 144



183, 81, 227



70, 0, 118



212, 109, 255



42, 0, 92



242, 136, 255



5, 0, 68



255, 164, 255



0, 3, 44



255, 193, 255



0, 1, 23



255, 222, 255



0, 0, 0



255, 251, 255



126, 18, 171



126, 18, 171

■ 121, 1, 171

■ 131, 35, 171

■ 121, 0, 171

■ 136, 52, 171

■ 141, 69, 171

■ 146, 86, 171

■ 151, 103, 171

■ 156, 121, 171

■ 161, 138, 171

■ 166, 155, 171

■ 171, 172, 172

Harmonies

Analogous

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



0, 55, 211



126, 18, 171



179, 0, 109

Triad

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



126, 18, 171



92, 119, 0



0, 56, 120

Complementary

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



126, 18, 171



18, 171, 126

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, 69, 102



126, 18, 171



0, 88, 30

Square

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



126, 18, 171



163, 2, 0



0, 98, 98



0, 66, 181

Rectangle

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



126, 18, 171



188, 0, 65



0, 98, 98



0, 53, 103

Sweetspot

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



126, 18, 171



204, 162, 222



18, 53, 171



102, 76, 112



240, 240, 240



112, 112, 112

Same Dimension

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



126, 18, 171



157, 0, 222



171, 18, 140



84, 78, 87



106, 0, 150



16, 0, 23

Inverse Universe

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



171, 18, 63



222, 0, 65



18, 145, 171



87, 78, 81



150, 0, 44



23, 0, 7

Previews

White Background



This preview shows how the RYB color 126, 18, 171 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 ✓ Pass

Black Background



This preview shows how the RYB color 126, 18, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

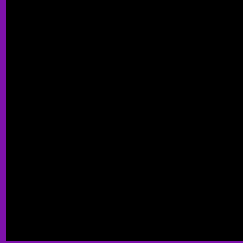
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYP 126, 18, 171 Background



This preview shows how black text looks on a background with the RYP color 126, 18, 171.

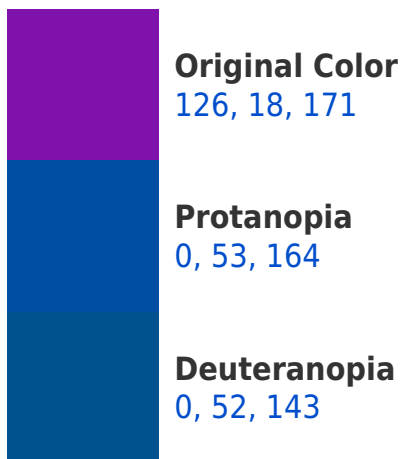


This preview shows how white text looks on a background with the RYP color 126, 18, 171.

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
110, 68, 73

Trichromacy



Original Color

126, 18, 171



Protanomaly

46, 55, 167



Deuteranomaly

46, 58, 153



Tritanomaly

116, 50, 109

Monochromacy



Original Color

126, 18, 171



Achromatopsia

68, 68, 68



Achromatomaly

89, 50, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 126, 18, 171 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(126, 18, 171)` looks like.

```
.text, #text, p{  
    color:rgb(126, 18, 171)  
}
```

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(126, 18, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 18, 171) }
```

Border

The CSS property to change the border of an element to RYB 126, 18, 171 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(126, 18, 171) }
```

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

```
.border{ border-color:rgb(126, 18, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 18, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 18, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 18, 171);  
box-shadow:4px 4px 4px 4px rgb(126, 18,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 126, 18, 171 is called "background".

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

```
.background, #background, body{  
background: rgb(126, 18, 171) }
```

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

```
.background{ background-color: rgb(126, 18,  
171) }
```

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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