

Converting Colors

`RYB(146, 102, 219)`

Have a look what the booklet for RYB(146, 102, 219) contains.

RYB(146, 102, 219)	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(146, 102, 219)

Conversions

Conversions Part 1

Format	Color
Hex	9266DB
RGB	146, 102, 219
RGB Percent	57%, 40%, 86%
CMY	0.4275, 0.6000, 0.1412
CMYK	0.33, 0.53, 0.00, 0.14
HSL	263°, 62%, 63%
HSV	263°, 53%, 86%
XYZ	29.3916, 20.7282, 69.4697
YIQ	128.4940, -11.3330, 45.7150

Conversions

Conversions Part 2

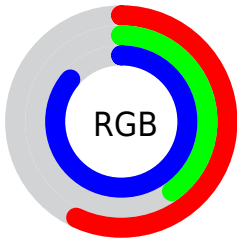
Format	Color
R_{YB}	146, 102, 219
Decimal	9594587
CIE _{Lab}	52.65, 42.21, -53.81
CIE _{LCh}	53, 68.391, 308.108
Yxy	20.7282, 0.2458, 0.1733
Android (android.graphics.Color)	4287784667 (0xFF9266DB)
YUV	128.4940, 44.6195, 15.3528
Hunter-Lab	45.5282, 35.5596, -58.5984

Details

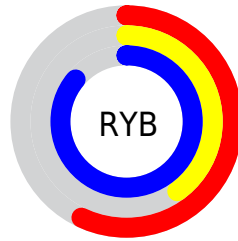
The RYB color **146, 102, 219** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **102, 219, 146**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **203, 154, 255**, and **90, 53, 163** is the 20% darker color. If you saturate the color by 10%, you get **132, 80, 219**, and if you desaturate by 10%, it is **160, 124, 219**.

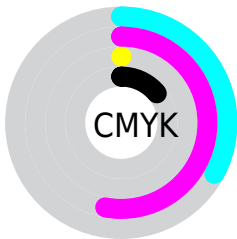
Distribution



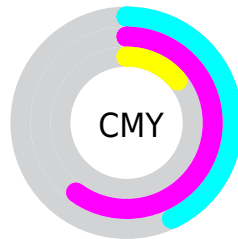
- Red (57%)
- Green (40%)
- Blue (86%)



- Red (57%)
- Yellow (40%)
- Blue (86%)



- Cyan (33%)
- Magenta (53%)
- Yellow (0%)
- Black (14%)



- Cyan (43%)
- Magenta (60%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 102, 219 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 146, 102, 219 by changing the saturation by 10% instead.

 146, 102, 219


255, 255, 255

 203, 154, 255

 232, 181, 255

 255, 209, 255

 255, 238, 255

 146, 102, 219

 118, 77, 191

 90, 53, 163

 62, 29, 136

 32, 3, 110

 0, 0, 85

 0, 0, 61

 0, 3, 38

 0, 1, 15

 0, 0, 0

■ 146, 102, 219

■ 146, 102, 219

■ 132, 80, 219

■ 160, 124, 219

■ 119, 58, 219

■ 173, 146, 219

■ 105, 36, 219

■ 187, 168, 219

■ 91, 14, 219

■ 201, 190, 219

■ 82, 0, 219

■ 214, 212, 219

■ 219, 233, 224

■ 219, 255, 232

■ 219, 255, 219

Harmonies

Analogous

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



0, 84, 243



146, 102, 219



207, 71, 171

Triad

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



146, 102, 219



140, 186, 0



0, 79, 152

Complementary

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



146, 102, 219



102, 219, 146

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, 97, 149



146, 102, 219



10, 137, 0

Square

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



146, 102, 219



219, 81, 56



11, 142, 81



0, 85, 197

Rectangle

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



146, 102, 219



225, 58, 132



11, 142, 81



0, 84, 151

Sweetspot

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



146, 102, 219



230, 214, 255



102, 147, 219



112, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



146, 102, 219



153, 92, 255



203, 102, 219



103, 99, 110



65, 0, 173



17, 0, 46

Inverse Universe

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



219, 102, 175



255, 92, 194



102, 219, 203



110, 99, 106



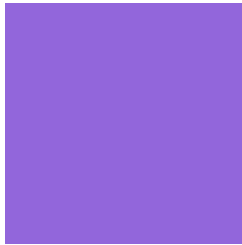
173, 0, 108



46, 0, 29

Previews

White Background



This preview shows how the RYB color 146, 102, 219 looks on a white background.

Color Contrast Check

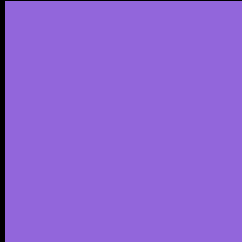
Large Text (above 18pt) WCAG AA ✓ Pass

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 146, 102, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

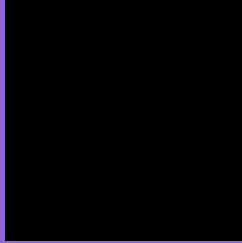
Any Text WCAG AA ✓ Pass

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 146, 102, 219 Background



This preview shows how black text looks on a background with the RYB color 146, 102, 219.

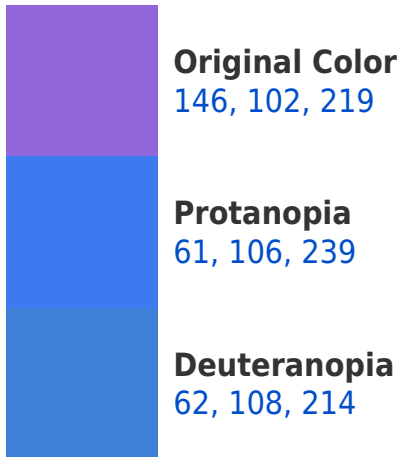


This preview shows how white text looks on a background with the RYB color 146, 102, 219.

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
129, 124, 133

Trichromacy



Original Color

146, 102, 219



Protanomaly

92, 112, 232



Deuteranomaly

93, 114, 216



Tritanomaly

135, 116, 164

Monochromacy



Original Color

146, 102, 219



Achromatopsia

128, 128, 128



Achromatomaly

135, 119, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 102, 219 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(146, 102, 219)` looks like.

```
.text, #text, p{  
    color:rgb(146, 102, 219)  
}
```

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(146, 102, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 102, 219) }
```

Border

The CSS property to change the border of an element to RYB 146, 102, 219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

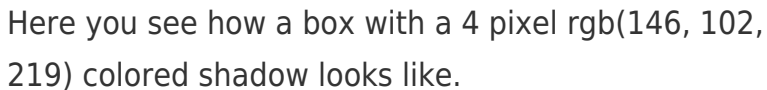
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 102, 219) }
```

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

```
.border{ border-color:rgb(146, 102, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(146, 102, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 102, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 102, 219);  
box-shadow:4px 4px 4px 4px rgb(146, 102,  
219) }
```

Background

The CSS property to change the background color of an element to RYB 146, 102, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 102, 219) }
```

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

```
.background{ background-color: rgb(146,  
102, 219) }
```

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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