

Converting Colors

`RYB(146, 82, 161)`

Have a look what the booklet for
RYB(146, 82, 161) contains.

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Color

R_YB(146, 82, 161)

Conversions

Conversions Part 1

Format	Color
Hex	9252A1
RGB	146, 82, 161
RGB Percent	57%, 32%, 63%
CMY	0.4275, 0.6784, 0.3686
CMYK	0.09, 0.49, 0.00, 0.37
HSL	289°, 33%, 48%
HSV	289°, 49%, 63%
XYZ	21.3044, 14.7188, 35.4364
YIQ	110.1420, 12.7850, 38.1370

Conversions

Conversions Part 2

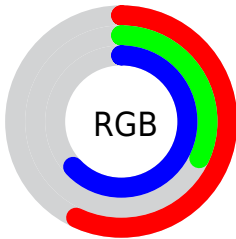
Format	Color
R_{YB}	146, 82, 161
Decimal	9589409
CIE _{Lab}	45.25, 39.73, -31.97
CIE _{LCh}	45, 50.998, 321.175
Yxy	14.7188, 0.2981, 0.2060
Android (android.graphics.Color)	4287779489 (0xFF9252A1)
YUV	110.1420, 25.0730, 31.4475
Hunter-Lab	38.3651, 31.9833, -27.9084

Details

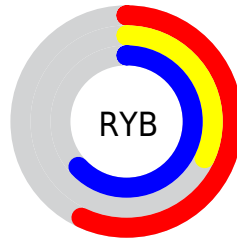
The RYB color **146, 82, 161** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **82, 161, 146**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **201, 134, 216**, and **93, 32, 109** is the 20% darker color. If you saturate the color by 10%, you get **143, 66, 161**, and if you desaturate by 10%, it is **149, 98, 161**.

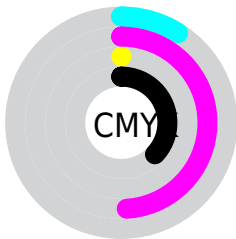
Distribution



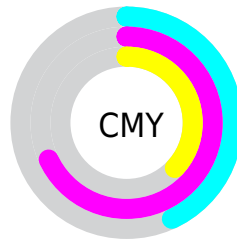
- Red (57%)
- Green (32%)
- Blue (63%)



- Red (57%)
- Yellow (32%)
- Blue (63%)



- Cyan (9%)
- Magenta (49%)
- Yellow (0%)
- Black (37%)



- Cyan (43%)
- Magenta (68%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 82, 161 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, 82, 161 by changing the saturation by 10% instead.



146, 82, 161



146, 82, 161

255, 255, 255



119, 57, 135



201, 134, 216



93, 32, 109



230, 160, 245



68, 4, 84



255, 188, 255



44, 0, 61



255, 216, 255



18, 0, 38



255, 245, 255



0, 1, 15



0, 0, 0



146, 82, 161



146, 82, 161




143, 66, 161



149, 98, 161


 140, 50, 161


 152, 114, 161


 137, 34, 161

 155, 130, 161


 134, 18, 161


 158, 146, 161


 131, 2, 161


 161, 163, 163

 130, 0, 161

 161, 179, 176

 161, 195, 189

 161, 211, 202

 161, 227, 214

Harmonies

Analogous

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



82, 98, 187



146, 82, 161



177, 67, 122

Triad

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



146, 82, 161



63, 139, 9



0, 66, 137

Complementary

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



146, 82, 161



82, 161, 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, 72, 126



146, 82, 161



14, 114, 29

Square

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



146, 82, 161



168, 104, 41



43, 116, 122



0, 72, 173

Rectangle

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



146, 82, 161



184, 65, 93



43, 116, 122



0, 65, 127

Sweetspot

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



146, 82, 161



203, 178, 209



82, 95, 161



101, 86, 105



232, 232, 232



105, 105, 105

Same Dimension

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



146, 82, 161



186, 86, 209



161, 82, 137



80, 73, 82



118, 0, 145



14, 0, 18

Inverse Universe

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



161, 82, 97



209, 86, 109



82, 143, 161



82, 73, 75



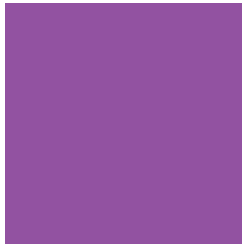
145, 0, 28



18, 0, 3

Previews

White Background



This preview shows how the RYB color 146, 82, 161 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 146, 82, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

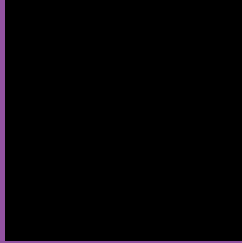
Any Text WCAG AA × Fail

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 146, 82, 161 Background



This preview shows how black text looks on a background with the RYB color 146, 82, 161.

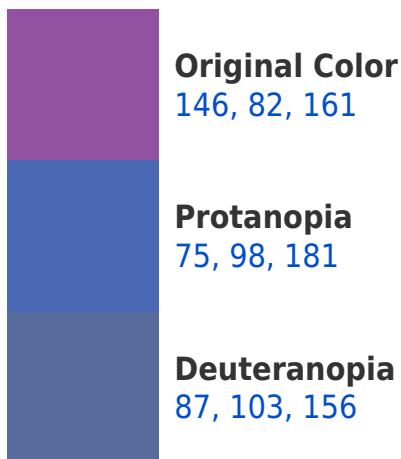



This preview shows how white text looks on a background with the RYB color 146, 82, 161.

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
138, 96, 103

Trichromacy



Original Color

146, 82, 161

Protanomaly

101, 97, 174

Deuteranomaly

108, 98, 158

Tritanomaly

141, 91, 124

Monochromacy



Original Color

146, 82, 161

Achromatopsia

110, 110, 110

Achromatomaly

123, 100, 129

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 82, 161 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, 82, 161) looks like.

```
.text, #text, p{  
    color:rgb(146, 82, 161)  
}
```

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, 82, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 82, 161) }
```

Border

The CSS property to change the border of an element to RYB 146, 82, 161 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, 82, 161) }
```

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

```
.border{ border-color:rgb(146, 82, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 82, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 82, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 82, 161); box-shadow:4px 4px 4px 4px rgb(146, 82, 161) }
```

Background

The CSS property to change the background color of an element to RYB 146, 82, 161 is called "background".

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

```
.background, #background, body{  
background: rgb(146, 82, 161) }
```

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

```
.background{ background-color: rgb(146, 82,  
161) }
```

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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