

# Converting Colors

`RYB(146, 131, 242)`

Have a look what the booklet for  
RYB(146, 131, 242) contains.

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# Color

**R<sub>Y</sub>B(146, 131, 242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9283F2
RGB	146, 131, 242
RGB Percent	57%, 51%, 95%
CMY	0.4275, 0.4863, 0.0510
CMYK	0.40, 0.46, 0.00, 0.05
HSL	248°, 81%, 73%
HSV	248°, 46%, 95%
XYZ	35.9974, 28.7544, 87.6573
YIQ	148.1390, -26.6910, 37.7010

# Conversions

## Conversions Part 2

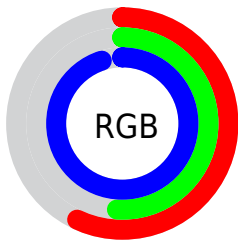
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	146, 131, 242
Decimal	9602034
CIE Lab	60.56, 31.74, -54.05
CIE LCh	61, 62.676, 300.421
Yxy	28.7544, 0.2362, 0.1887
Android (android.graphics.Color)	4287792114 (0xFF9283F2)
YUV	148.1390, 46.2735, -1.8759
Hunter-Lab	53.6231, 25.9871, -59.3847

# Details

The RYB color **146, 131, 242** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **131, 242, 146**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **203, 184, 255**, and **89, 81, 185** is the 20% darker color. If you saturate the color by 10%, you get **125, 107, 242**, and if you desaturate by 10%, it is **167, 155, 242**.

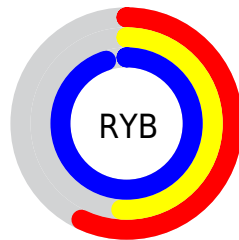
# Distribution



Red (57%)

Green (51%)

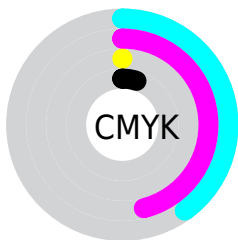
Blue (95%)



Red (57%)

Yellow (51%)

Blue (95%)

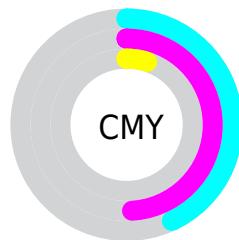


Cyan (40%)

Magenta (46%)

Yellow (0%)

Black (5%)



Cyan (43%)

Magenta (49%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 146, 131, 242 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, 131, 242 by changing the saturation by 10% instead.




 146, 131, 242


255, 255, 255

 203, 184, 255

 233, 212, 255

 255, 240, 255


 146, 131, 242

 118, 106, 213

 89, 81, 185

 60, 58, 158

 26, 35, 131

 0, 14, 105

 0, 0, 81

 0, 5, 56

 0, 2, 34

 0, 0, 8


 146, 131, 242

 146, 131, 242

 125, 107, 242

 167, 155, 242

 104, 83, 242


 188, 179, 242

 83, 58, 242

 209, 204, 242

 62, 34, 242

 230, 228, 242

 41, 10, 242

 242, 252, 243

 33, 0, 242

 242, 255, 242

# Harmonies

## Analogous

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



0, 95, 255



146, 131, 242



213, 106, 202

# Triad

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



146, 131, 242



216, 182, 47



0, 93, 172

# Complementary

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



146, 131, 242



131, 242, 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.



11, 116, 168



146, 131, 242



49, 173, 14

# Square

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



146, 131, 242



242, 100, 93



39, 159, 80



0, 92, 201

# Rectangle

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



146, 131, 242



237, 94, 166



39, 159, 80



0, 98, 171



# Sweetspot

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



146, 131, 242



224, 219, 255



131, 182, 242



109, 106, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



146, 131, 242



134, 115, 255



201, 131, 242



109, 108, 120



25, 0, 184



8, 0, 56



# Inverse Universe

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



242, 131, 227



255, 115, 236



131, 242, 201



120, 108, 118



184, 0, 159

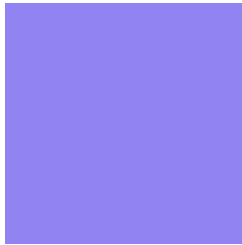


56, 0, 49



# Previews

## White Background



This preview shows how the RYB color 146, 131, 242 looks on a white background.

## Color Contrast Check

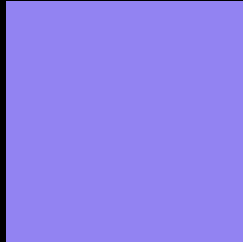
Large Text (above 18pt) WCAG AA ✓ Pass

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, 131, 242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

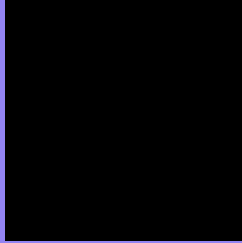
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 146, 131, 242 Background



This preview shows how black text looks on a background with the RYB color 146, 131, 242.

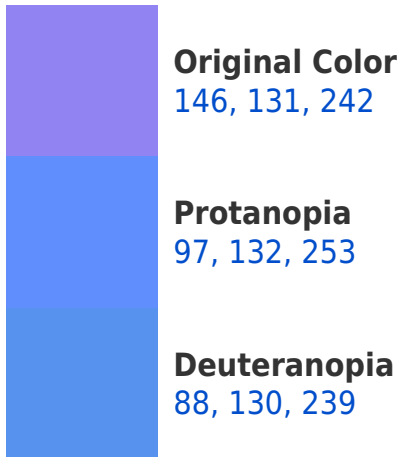


This preview shows how white text looks on a background with the RYB color 146, 131, 242.

# 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**  
127, 140, 161

# Trichromacy



**Original Color**  
146, 131, 242

**Protanomaly**  
115, 135, 249

**Deuteranomaly**  
109, 135, 240

**Tritanomaly**  
134, 141, 190

# Monochromacy



**Original Color**  
146, 131, 242

**Achromatopsia**  
148, 148, 148

**Achromatomaly**  
147, 142, 182

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 146, 131, 242 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, 131, 242)` looks like.

```
.text, #text, p{  
    color:rgb(146, 131, 242)  
}
```

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, 131, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 131, 242) }
```

## Border

The CSS property to change the border of an element to RYB 146, 131, 242 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, 131, 242) }
```

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

```
.border{ border-color:rgb(146, 131, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 131, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 131, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 131, 242);  
box-shadow:4px 4px 4px 4px rgb(146, 131,  
242) }
```

# Background

The CSS property to change the background color of an element to RYB 146, 131, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 131, 242) }
```

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

```
.background{ background-color: rgb(146,  
131, 242) }
```

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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