

Converting Colors

`RYB(146, 90, 242)`

Have a look what the booklet for RYB(146, 90, 242) contains.

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Color

R_YB(146, 90, 242)

Conversions

Conversions Part 1

Format	Color
Hex	925AF2
RGB	146, 90, 242
RGB Percent	57%, 35%, 95%
CMY	0.4275, 0.6471, 0.0510
CMYK	0.40, 0.63, 0.00, 0.05
HSL	262°, 85%, 65%
HSV	262°, 63%, 95%
XYZ	31.5372, 19.8341, 86.1706
YIQ	124.0720, -15.4160, 59.1440

Conversions

Conversions Part 2

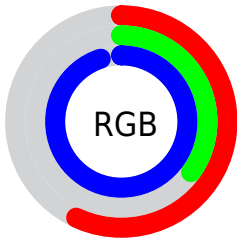
Format	Color
R_{YB}	146, 90, 242
Decimal	9591538
CIE _{Lab}	51.65, 54.56, -68.36
CIE _{LCh}	52, 87.463, 308.594
Yxy	19.8341, 0.2293, 0.1442
Android (android.graphics.Color)	4287781618 (0xFF925AF2)
YUV	124.0720, 58.1385, 19.2309
Hunter-Lab	44.5355, 48.4652, -83.5438

Details

The RYB color **146, 90, 242** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **90, 242, 146**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **205, 143, 255**, and **87, 39, 185** is the 20% darker color. If you saturate the color by 10%, you get **131, 66, 242**, and if you desaturate by 10%, it is **161, 114, 242**.

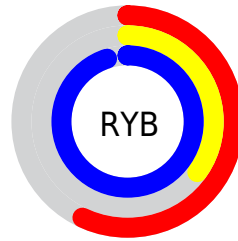
Distribution



Red (57%)

Green (35%)

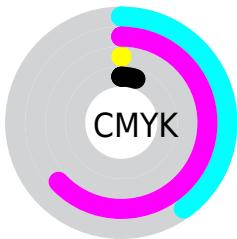
Blue (95%)



Red (57%)

Yellow (35%)

Blue (95%)

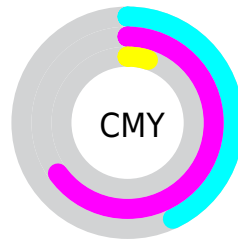


Cyan (40%)

Magenta (63%)

Yellow (0%)

Black (5%)



Cyan (43%)

















Magenta (65%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the RYB color 146, 90, 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, 90, 242 by changing the saturation by 10% instead.

 146, 90, 242	 146, 90, 242
 255, 255, 255	 117, 64, 213
 205, 143, 255	 87, 39, 185
 235, 170, 255	 55, 8, 157
 255, 198, 255	 8, 0, 130
 255, 226, 255	 0, 0, 104
	 0, 0, 79
	 0, 5, 55
	 0, 2, 33
	 0, 0, 5

 146, 90, 242


 146, 90, 242


 131, 66, 242

 161, 114, 242

 115, 42, 242

 177, 138, 242

 100, 17, 242

 192, 163, 242

 89, 0, 242

 207, 187, 242

 222, 211, 242

 238, 235, 242

 242, 255, 244

 242, 255, 242

Harmonies

Analogous

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



0, 85, 255



146, 90, 242



225, 22, 179

Triad

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



146, 90, 242



184, 192, 0



0, 79, 153

Complementary

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



146, 90, 242



90, 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.



0, 105, 150



146, 90, 242



4, 131, 0

Square

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



146, 90, 242



235, 50, 31



0, 143, 109



0, 90, 216

Rectangle

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



146, 90, 242



246, 0, 130



0, 143, 109



0, 87, 153

Sweetspot

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



146, 90, 242



224, 207, 255



90, 149, 242



109, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



146, 90, 242



134, 64, 255



222, 90, 242



112, 108, 120



68, 0, 184



21, 0, 56

Inverse Universe

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



242, 90, 186



255, 64, 185



90, 242, 222



120, 108, 115



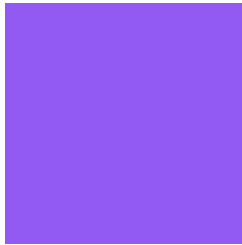
184, 0, 116



56, 0, 35

Previews

White Background



This preview shows how the RYB color 146, 90, 242 looks on a white background.

Color Contrast Check

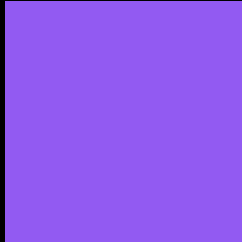
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

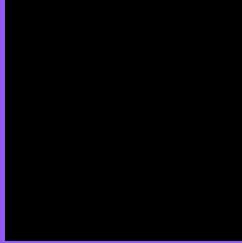
Any Text WCAG AA ✓ Pass

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, 90, 242 Background



This preview shows how black text looks on a background with the RYB color 146, 90, 242.

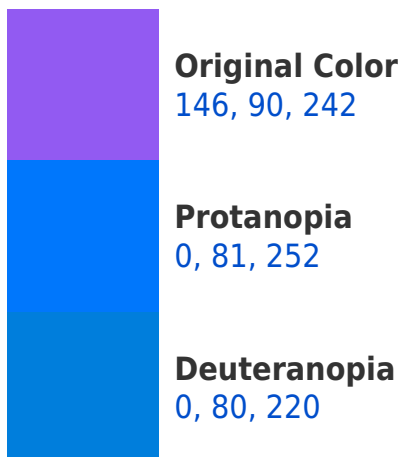


This preview shows how white text looks on a background with the RYB color 146, 90, 242.

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





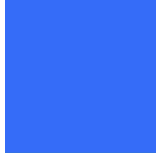
Tritanopia
121, 122, 132

Trichromacy



Original Color

146, 90, 242



Protanomaly

53, 96, 248



Deuteranomaly

53, 98, 228



Tritanomaly

130, 110, 172

Monochromacy



Original Color

146, 90, 242



Achromatopsia

124, 124, 124



Achromatomaly

132, 112, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 90, 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, 90, 242)` looks like.

```
.text, #text, p{  
    color:rgb(146, 90, 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, 90, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 90, 242) }
```

Border

The CSS property to change the border of an element to RYB 146, 90, 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, 90, 242) }
```

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

```
.border{ border-color:rgb(146, 90, 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, 90, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 90, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 90, 242);  
box-shadow:4px 4px 4px 4px rgb(146, 90,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 146, 90, 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, 90, 242) }
```

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

```
.background{ background-color: rgb(146, 90,  
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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