

# Converting Colors

`RYB(146, 70, 129)`

Have a look what the booklet for  
RYB(146, 70, 129) contains.

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# Color

**R<sub>Y</sub>B(146, 70, 129)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	924681
RGB	146, 70, 129
RGB Percent	57%, 27%, 51%
CMY	0.4275, 0.7255, 0.4941
CMYK	0.00, 0.52, 0.12, 0.43
HSL	313°, 35%, 42%
HSV	313°, 52%, 57%
XYZ	18.0067, 12.0763, 22.1508
YIQ	99.4500, 26.3570, 34.4610

# Conversions

## Conversions Part 2

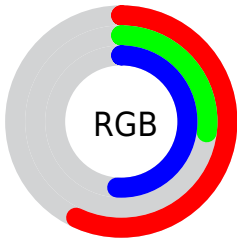
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 70, 129
Decimal	9586305
CIE <sub>Lab</sub>	41.34, 40.02, -18.77
CIE <sub>LCh</sub>	41, 44.207, 334.876
Yxy	12.0763, 0.3447, 0.2312
Android (android.graphics.Color)	4287776385 (0xFF924681)
YUV	99.4500, 14.5681, 40.8243
Hunter-Lab	34.7510, 31.6780, -13.4667

# Details

The RYB color **146, 70, 129** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **70, 132, 146**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **202, 121, 182**, and **93, 18, 80** is the 20% darker color. If you saturate the color by 10%, you get **146, 55, 126**, and if you desaturate by 10%, it is **146, 85, 132**.

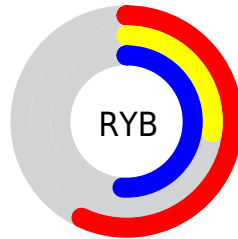
# Distribution



Red (57%)

Green (27%)

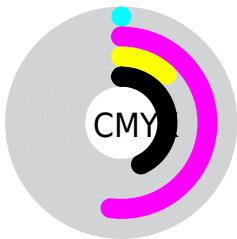
Blue (51%)



Red (57%)

Yellow (27%)

Blue (51%)

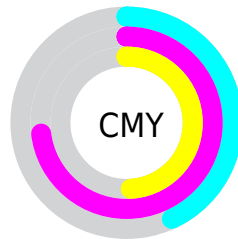


Cyan (0%)

Magenta (52%)

Yellow (12%)

Black (43%)



Cyan (43%)

Magenta (73%)















Yellow (49%)







# Brightness & Saturation Gradients

These gradients show how the RYB color 146, 70, 129 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, 70, 129 by changing the saturation by 10% instead.




 146, 70, 129	 146, 70, 129
 255, 255, 255	 119, 45, 104
 202, 121, 182	 93, 18, 80
 230, 148, 210	 68, 0, 56
 255, 175, 238	 46, 0, 35
 255, 203, 255	 3, 0, 9
 255, 232, 255	 0, 0, 0

 146, 70, 129	 146, 70, 129
 146, 55, 126	 146, 85, 132
 146, 41, 122	 146, 99, 136


 146, 26, 119


 146, 114, 139


 146, 12, 116


 146, 128, 142


 146, 0, 113

 146, 143, 145

 146, 156, 158

 146, 167, 172

 146, 180, 187

 146, 191, 201

# Harmonies

## Analogous

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



106, 85, 157



146, 70, 129



163, 63, 93

# Triad

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



146, 70, 129



31, 111, 16



0, 62, 138

# Complementary

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



146, 70, 129



70, 132, 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, 61, 115



146, 70, 129



33, 107, 67

# Square

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



146, 70, 129



140, 138, 29



0, 72, 113



0, 65, 163

# Rectangle

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



146, 70, 129



162, 66, 69



0, 72, 113



0, 60, 127



# Sweetspot

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



146, 70, 129



189, 159, 182



86, 70, 146



94, 76, 90



222, 222, 222



94, 94, 94



# Same Dimension

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



146, 70, 129



189, 72, 163



146, 70, 92



74, 67, 72



138, 0, 107



10, 0, 8



# Inverse Universe

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



146, 70, 129



189, 72, 163



70, 114, 146



74, 67, 72



138, 0, 107

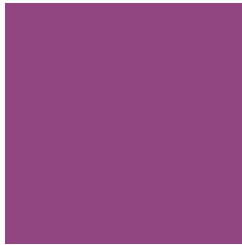


10, 0, 8



# Previews

## White Background



This preview shows how the RYB color 146, 70, 129 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, 70, 129 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

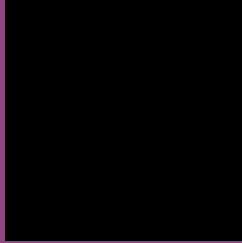
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## **R Y B 146, 70, 129 Background**



This preview shows how black text looks on a background with the R Y B color 146, 70, 129.



This preview shows how white text looks on a background with the R Y B color 146, 70, 129.

# 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



**Original Color**  
146, 70, 129

**Protanopia**  
79, 93, 150

**Deuteranopia**  
94, 96, 125



**Tritanopia**  
141, 80, 86

# Trichromacy



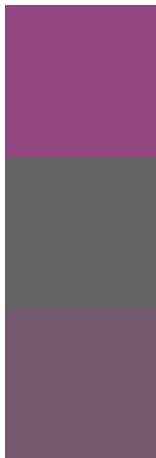
**Original Color**  
146, 70, 129

**Protanomaly**  
103, 87, 142

**Deuteranomaly**  
113, 87, 126

**Tritanomaly**  
143, 76, 102

# Monochromacy



**Original Color**  
146, 70, 129

**Achromatopsia**  
99, 99, 99

**Achromatomaly**  
116, 88, 110

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 146, 70, 129 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, 70, 129)` looks like.

```
.text, #text, p{  
    color:rgb(146, 70, 129)  
}
```

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, 70, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 70, 129) }
```

## Border

The CSS property to change the border of an element to RYB 146, 70, 129 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, 70, 129) }
```

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

```
.border{ border-color:rgb(146, 70, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 70, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 70, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 70, 129);  
box-shadow:4px 4px 4px 4px rgb(146, 70,  
129) }
```

# Background

The CSS property to change the background color of an element to RGB 146, 70, 129 is called "background".

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

```
.background, #background, body{  
background: rgb(146, 70, 129) }
```

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

```
.background{ background-color: rgb(146, 70,  
129) }
```

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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