

# Converting Colors

`RYB(161, 70, 113)`

Have a look what the booklet for  
RYB(161, 70, 113) contains.

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# Color

**R<sub>Y</sub>B(161, 70, 113)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A14671
RGB	161, 70, 113
RGB Percent	63%, 27%, 44%
CMY	0.3686, 0.7255, 0.5569
CMYK	0.00, 0.57, 0.30, 0.37
HSL	332°, 39%, 45%
HSV	332°, 57%, 63%
XYZ	19.8687, 13.1496, 17.1137
YIQ	102.1110, 40.4330, 32.6650

# Conversions

## Conversions Part 2

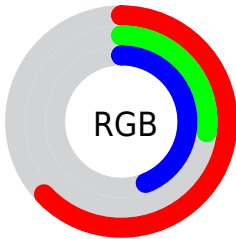
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 70, 113
Decimal	10569329
CIE <sub>Lab</sub>	42.99, 42.49, -6.23
CIE <sub>LCh</sub>	43, 42.940, 351.657
Yxy	13.1496, 0.3963, 0.2623
Android (android.graphics.Color)	4288759409 (0xFFA14671)
YUV	102.1110, 5.3683, 51.6457
Hunter-Lab	36.2624, 34.3436, -2.5977

# Details

The RYB color **161, 70, 113** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **70, 130, 161**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **218, 122, 165**, and **106, 15, 65** is the 20% darker color. If you saturate the color by 10%, you get **161, 54, 105**, and if you desaturate by 10%, it is **161, 86, 121**.

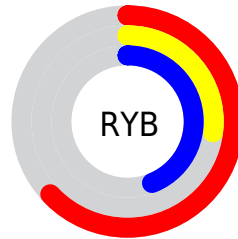
# Distribution



Red (63%)

Green (27%)

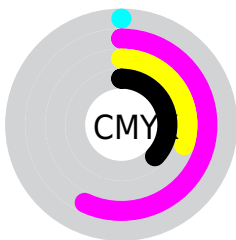
Blue (44%)



Red (63%)

Yellow (27%)

Blue (44%)

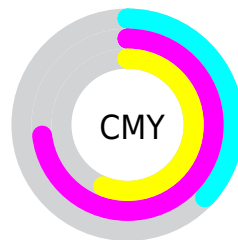


Cyan (0%)

Magenta (57%)

Yellow (30%)

Black (37%)



Cyan (37%)

Magenta (73%)


Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 161, 70, 113 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 161, 70, 113 by changing the saturation by 10% instead.



 161, 70, 113

255, 255, 255


 218, 122, 165

 248, 149, 192

 255, 176, 220

 255, 204, 248

 255, 233, 255

 161, 70, 113

 133, 44, 89


 106, 15, 65


 80, 0, 43

 55, 0, 23


 25, 0, 1


 0, 0, 0


 161, 70, 113

 161, 54, 105

 161, 38, 96

 161, 70, 113

 161, 86, 121

 161, 102, 130

161, 22, 88

161, 118, 138

161, 6, 79

161, 134, 147

161, 0, 76

161, 151, 155

161, 165, 167

161, 176, 183

161, 186, 199

161, 197, 215

# Harmonies

## Analogous

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



135, 81, 146



161, 70, 113



166, 71, 77

# Triad

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



161, 70, 113



30, 107, 41



0, 67, 157

# Complementary

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



161, 70, 113



70, 130, 161

# 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, 127



161, 70, 113



51, 111, 115

# Square

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



161, 70, 113



75, 129, 26



0, 67, 118



0, 66, 172

# Rectangle

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



161, 70, 113



160, 84, 56



0, 67, 118



0, 65, 148



# Sweetspot

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



161, 70, 113



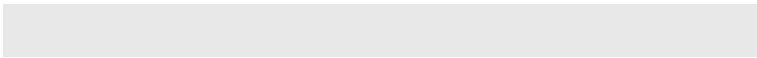
209, 174, 190



117, 70, 161



105, 84, 94



232, 232, 232



105, 105, 105



# Same Dimension

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



161, 70, 113



209, 67, 134



161, 72, 70



82, 73, 77



145, 0, 69



18, 0, 8



# Inverse Universe

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



161, 70, 113



209, 67, 134



70, 115, 161



82, 73, 77



145, 0, 69



18, 0, 8



# Previews

## White Background



This preview shows how the RYB color 161, 70, 113 looks on a white background.

## Color Contrast Check

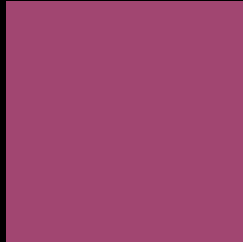
Large Text (above 18pt) WCAG AA ✓ Pass

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 161, 70, 113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

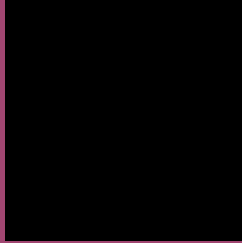
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## **RYB 161, 70, 113 Background**



This preview shows how black text looks on a background with the RYB color 161, 70, 113.

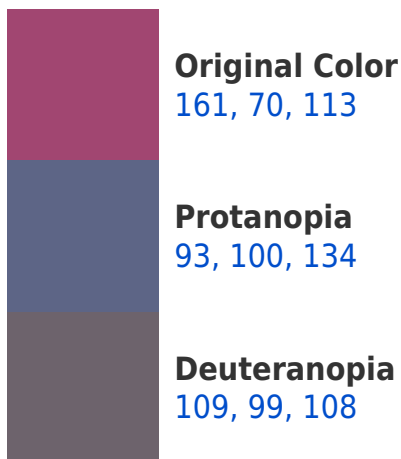


This preview shows how white text looks on a background with the RYB color 161, 70, 113.

# 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

158, 77, 82

# Trichromacy



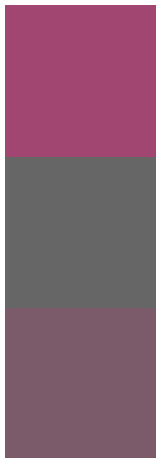
**Original Color**  
161, 70, 113

**Protanomaly**  
118, 90, 126

**Deuteranomaly**  
128, 88, 110

**Tritanomaly**  
159, 74, 93

# Monochromacy



**Original Color**  
161, 70, 113

**Achromatopsia**  
102, 102, 102

**Achromatomaly**  
123, 90, 106

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 161, 70, 113 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(161, 70, 113)` looks like.

```
.text, #text, p{  
    color:rgb(161, 70, 113)  
}
```

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(161, 70, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 70, 113) }
```

## Border

The CSS property to change the border of an element to RYB 161, 70, 113 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(161, 70, 113) }
```

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

```
.border{ border-color:rgb(161, 70, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 70, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 70, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 70, 113); box-shadow:4px 4px 4px 4px rgb(161, 70, 113) }
```

# Background

The CSS property to change the background color of an element to RGB 161, 70, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 70, 113) }
```

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

```
.background{ background-color: rgb(161, 70,  
113) }
```

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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