

Converting Colors

`RYB(170, 61, 113)`

Have a look what the booklet for
RYB(170, 61, 113) contains.

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Color

R_YB(170, 61, 113)

Conversions

Conversions Part 1

Format	Color
Hex	AA3D71
RGB	170, 61, 113
RGB Percent	67%, 24%, 44%
CMY	0.3333, 0.7608, 0.5569
CMYK	0.00, 0.64, 0.34, 0.33
HSL	331°, 47%, 45%
HSV	331°, 64%, 67%
XYZ	21.2269, 13.0758, 17.0279
YIQ	99.5190, 48.2720, 39.2800

Conversions

Conversions Part 2

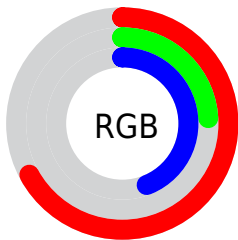
Format	Color
R_{YB}	170, 61, 113
Decimal	11156849
CIE _{Lab}	42.88, 49.58, -6.24
CIE _{LCh}	43, 49.966, 352.825
Yxy	13.0758, 0.4135, 0.2547
Android (android.graphics.Color)	4289346929 (0xFFAA3D71)
YUV	99.5190, 6.6461, 61.8118
Hunter-Lab	36.1605, 41.5024, -2.6072

Details

The RYB color **170, 61, 113** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **61, 133, 170**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **228, 115, 165**, and **114, 0, 65** is the 20% darker color. If you saturate the color by 10%, you get **170, 44, 104**, and if you desaturate by 10%, it is **170, 78, 122**.

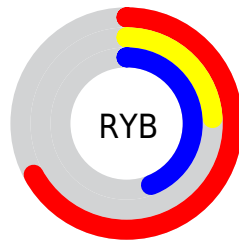
Distribution



Red (67%)

Green (24%)

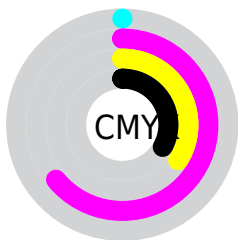
Blue (44%)



Red (67%)

Yellow (24%)

Blue (44%)

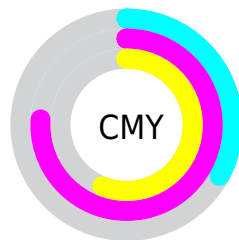


Cyan (0%)

Magenta (64%)

Yellow (34%)

Black (33%)



Cyan (33%)















Magenta (76%)







Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 61, 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 170, 61, 113 by changing the saturation by 10% instead.

 170, 61, 113	 170, 61, 113
 255, 255, 255	 142, 32, 89
 228, 115, 165	 114, 0, 65
 255, 142, 192	 87, 0, 43
 255, 170, 220	 61, 0, 23
 255, 198, 248	 33, 0, 1
 255, 227, 255	 0, 0, 0

 170, 61, 113	 170, 61, 113
 170, 44, 104	 170, 78, 122
 170, 27, 95	 170, 95, 131

170, 10, 86

170, 112, 140

170, 0, 81

170, 129, 149

170, 146, 157

170, 163, 166

170, 177, 180

170, 188, 197

170, 199, 214

Harmonies

Analogous

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



141, 76, 152



170, 61, 113



174, 63, 72

Triad

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



170, 61, 113



11, 108, 28



0, 69, 167

Complementary

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



170, 61, 113



61, 133, 170

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, 63, 132



170, 61, 113



34, 104, 116

Square

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



170, 61, 113



49, 130, 3



0, 69, 120



0, 68, 183

Rectangle

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



170, 61, 113



166, 80, 47



0, 69, 120



0, 68, 157

Sweetspot

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



170, 61, 113



222, 180, 200



117, 61, 170



112, 86, 99



240, 240, 240



112, 112, 112

Same Dimension

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



170, 61, 113



222, 51, 133



170, 63, 61



84, 76, 80



148, 0, 71



20, 0, 10

Inverse Universe

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



170, 61, 113



222, 51, 133



61, 115, 170



84, 76, 80



148, 0, 71



20, 0, 10

Previews

White Background



This preview shows how the RYB color 170, 61, 113 looks on a white background.

Color Contrast Check

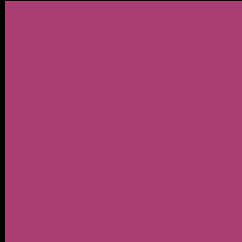
Large Text (above 18pt) WCAG AA ✓ Pass

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 170, 61, 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 170, 61, 113 Background



This preview shows how black text looks on a background with the RYB color 170, 61, 113.



This preview shows how white text looks on a background with the RYB color 170, 61, 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



Original Color

170, 61, 113

Protanopia

91, 99, 140

Deuteranopia

109, 99, 107



Tritanopia
167, 70, 74

Trichromacy



Original Color

170, 61, 113

Protanomaly

120, 86, 130

Deuteranomaly

131, 85, 109

Tritanomaly

168, 67, 88

Monochromacy



Original Color

170, 61, 113

Achromatopsia

100, 100, 100

Achromatomaly

125, 86, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 61, 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(170, 61, 113)` looks like.

```
.text, #text, p{  
    color:rgb(170, 61, 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(170, 61, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 61, 113) }
```

Border

The CSS property to change the border of an element to RYB 170, 61, 113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

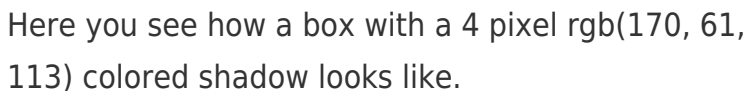
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 61, 113) }
```

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

```
.border{ border-color:rgb(170, 61, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 61, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 61, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 61, 113); box-shadow:4px 4px 4px 4px rgb(170, 61, 113) }
```

Background

The CSS property to change the background color of an element to RYB 170, 61, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 61, 113) }
```

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

```
.background{ background-color: rgb(170, 61,  
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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