

Converting Colors

`RYB(102, 71, 131)`

Have a look what the booklet for
RYB(102, 71, 131) contains.

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Color

R_YB(102, 71, 131)

Conversions

Conversions Part 1

Format	Color
Hex	664783
RGB	102, 71, 131
RGB Percent	40%, 28%, 51%
CMY	0.6000, 0.7216, 0.4863
CMYK	0.22, 0.46, 0.00, 0.49
HSL	271°, 30%, 40%
HSV	271°, 46%, 51%
XYZ	11.8295, 8.9700, 22.5806
YIQ	87.1090, -0.7840, 25.2320

Conversions

Conversions Part 2

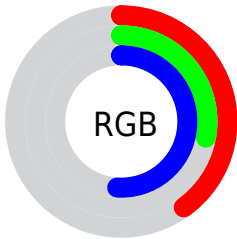
Format	Color
R_{YB}	102, 71, 131
Decimal	6702979
CIE Lab	35.93, 25.82, -28.85
CIE LCh	36, 38.719, 311.821
Yxy	8.9700, 0.2727, 0.2068
Android (android.graphics.Color)	4284893059 (0xFF664783)
YUV	87.1090, 21.6383, 13.0594
Hunter-Lab	29.9499, 18.0908, -23.7366

Details

The RYB color **102, 71, 131** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **71, 131, 102**, and the grayscale version is **87, 87, 87**.

A 20% lighter version of the original color is **154, 120, 184**, and **53, 26, 81** is the 20% darker color. If you saturate the color by 10%, you get **96, 58, 131**, and if you desaturate by 10%, it is **108, 84, 131**.

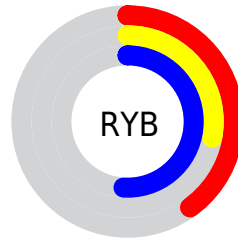
Distribution



Red (40%)

Green (28%)

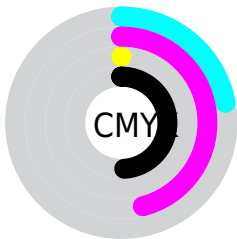
Blue (51%)



Red (40%)

Yellow (28%)

Blue (51%)

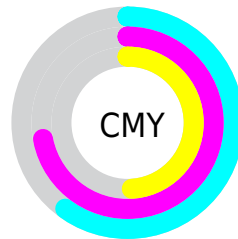


Cyan (22%)

Magenta (46%)

Yellow (0%)

Black (49%)



Cyan (60%)

Magenta (72%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 71, 131 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 102, 71, 131 by changing the saturation by 10% instead.



102, 71, 131



102, 71, 131

255, 255, 255



77, 48, 106



154, 120, 184



53, 26, 81



182, 146, 212



30, 4, 58



210, 173, 241



0, 0, 36



238, 200, 255



0, 0, 11



255, 228, 255



0, 0, 0



102, 71, 131



102, 71, 131



96, 58, 131



108, 84, 131



89, 45, 131



115, 97, 131

■ 83, 32, 131

■ 121, 110, 131

■ 77, 19, 131

■ 127, 123, 131

■ 70, 6, 131

■ 131, 137, 134

■ 68, 0, 131

■ 131, 150, 141

■ 131, 163, 148

■ 131, 176, 154

■ 131, 189, 161

Harmonies

Analogous

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



47, 74, 145



102, 71, 131



131, 59, 105

Triad

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



102, 71, 131



93, 116, 23



0, 51, 100

Complementary

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



102, 71, 131



71, 131, 102

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, 59, 98



102, 71, 131



19, 89, 17

Square

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



102, 71, 131



135, 69, 45



35, 94, 74



0, 55, 125

Rectangle

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



102, 71, 131



140, 55, 84



35, 94, 74



0, 53, 99

Sweetspot

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



102, 71, 131



159, 147, 171



71, 91, 131



80, 72, 87



214, 214, 214



87, 87, 87

Same Dimension

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



102, 71, 131



125, 77, 171



131, 71, 130



63, 60, 66



67, 0, 130



1, 0, 3

Inverse Universe

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



131, 71, 100



171, 77, 122



71, 130, 131



66, 60, 63



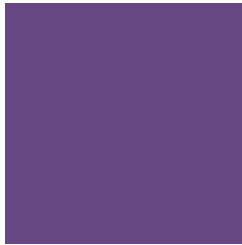
130, 0, 63



3, 0, 1

Previews

White Background



This preview shows how the RYB color 102, 71, 131 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 ✓ Pass

Black Background



This preview shows how the RYB color 102, 71, 131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

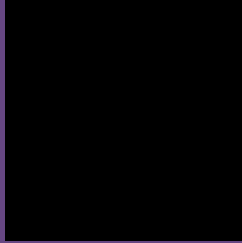
Any Text WCAG AA × Fail

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 102, 71, 131 Background



This preview shows how black text looks on a background with the R Y B color 102, 71, 131.

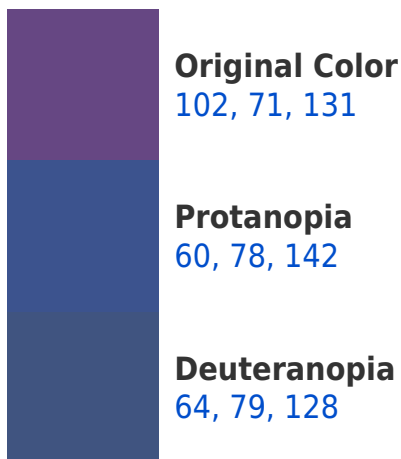


This preview shows how white text looks on a background with the R Y B color 102, 71, 131.

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

95, 81, 87

Trichromacy



Original Color

102, 71, 131

Protanomaly

75, 79, 138

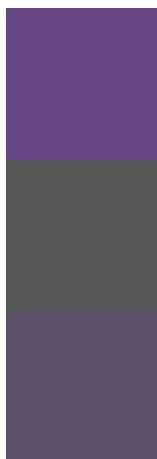
Deuteranomaly

78, 79, 129

Tritanomaly

98, 77, 103

Monochromacy



Original Color

102, 71, 131

Achromatopsia

87, 87, 87

Achromatomaly

92, 81, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 71, 131 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(102, 71, 131)` looks like.

```
.text, #text, p{  
    color:rgb(102, 71, 131)  
}
```

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(102, 71, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 71, 131) }
```

Border

The CSS property to change the border of an element to RYB 102, 71, 131 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(102, 71, 131) }
```

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

```
.border{ border-color:rgb(102, 71, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 71, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 71, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 71, 131);  
box-shadow:4px 4px 4px 4px rgb(102, 71,  
131) }
```

Background

The CSS property to change the background color of an element to RGB 102, 71, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 71, 131) }
```

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

```
.background{ background-color: rgb(102, 71,  
131) }
```

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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