

Converting Colors

`RYB(125, 102, 166)`

Have a look what the booklet for
RYB(125, 102, 166) contains.

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Color

R_YB(125, 102, 166)

Conversions

Conversions Part 1

Format	Color
Hex	7D66A6
RGB	125, 102, 166
RGB Percent	49%, 40%, 65%
CMY	0.5098, 0.6000, 0.3490
CMYK	0.25, 0.39, 0.00, 0.35
HSL	262°, 26%, 53%
HSV	262°, 39%, 65%
XYZ	20.0918, 16.6159, 38.2246
YIQ	116.1730, -6.8360, 24.7800

Conversions

Conversions Part 2

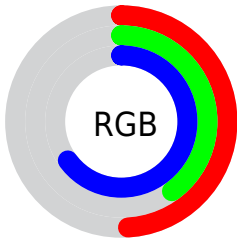
Format	Color
R_{YB}	125, 102, 166
Decimal	8218278
CIE _{Lab}	47.77, 22.97, -31.14
CIE _{LCh}	48, 38.691, 306.415
Yxy	16.6159, 0.2681, 0.2217
Android (android.graphics.Color)	4286408358 (0xFF7D66A6)
YUV	116.1730, 24.5647, 7.7413
Hunter-Lab	40.7626, 16.6475, -27.0647

Details

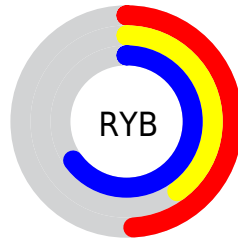
The RYB color **125, 102, 166** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **102, 166, 125**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **179, 153, 221**, and **74, 55, 114** is the 20% darker color. If you saturate the color by 10%, you get **114, 85, 166**, and if you desaturate by 10%, it is **136, 119, 166**.

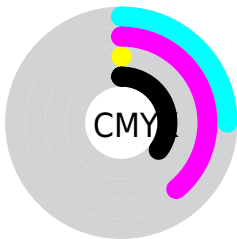
Distribution



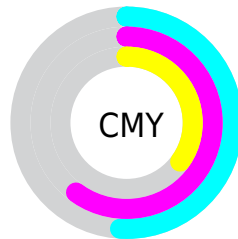
- Red (49%)
- Green (40%)
- Blue (65%)



- Red (49%)
- Yellow (40%)
- Blue (65%)



- Cyan (25%)
- Magenta (39%)
- Yellow (0%)
- Black (35%)



- Cyan (51%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 125, 102, 166 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 125, 102, 166 by changing the saturation by 10% instead.

■ 125, 102, 166

255, 255, 255

■ 179, 153, 221

■ 207, 180, 250

■ 235, 208, 255

■ 255, 236, 255

■ 125, 102, 166

■ 99, 78, 139

■ 74, 55, 114

■ 50, 33, 89

■ 25, 12, 65

■ 0, 0, 43

■ 0, 1, 21

■ 0, 0, 0

■ 125, 102, 166

■ 114, 85, 166

■ 125, 102, 166

■ 136, 119, 166

■ 104, 69, 166

■ 146, 135, 166

■ 93, 52, 166

■ 157, 152, 166

■ 82, 36, 166

■ 166, 168, 166

■ 72, 19, 166

■ 166, 185, 173

■ 61, 2, 166

■ 166, 202, 179

■ 60, 0, 166

■ 166, 218, 185

■ 166, 235, 191

■ 166, 251, 196

Harmonies

Analogous

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



69, 101, 178



125, 102, 166



159, 90, 140

Triad

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



125, 102, 166



153, 149, 53



0, 68, 130

Complementary

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



125, 102, 166



102, 166, 125

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.



44, 100, 128



125, 102, 166



60, 126, 46

Square

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



125, 102, 166



171, 94, 76



59, 123, 91



0, 70, 151

Rectangle

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



125, 102, 166



171, 86, 119



59, 123, 91



0, 71, 130

Sweetspot

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



125, 102, 166



200, 191, 217



102, 127, 166



100, 94, 110



237, 237, 237



110, 110, 110

Same Dimension

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



125, 102, 166



153, 117, 217



156, 102, 166



79, 76, 84



53, 0, 148



7, 0, 20

Inverse Universe

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



166, 102, 143



217, 117, 181



102, 166, 156



84, 76, 81



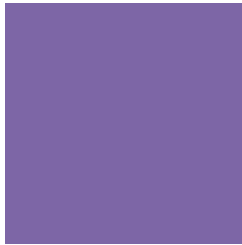
148, 0, 95



20, 0, 13

Previews

White Background



This preview shows how the RYB color 125, 102, 166 looks on a white background.

Color Contrast Check

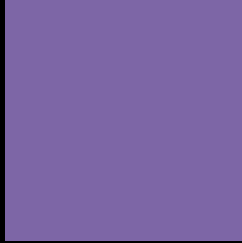
Large Text (above 18pt) WCAG AA ✓ Pass

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 125, 102, 166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

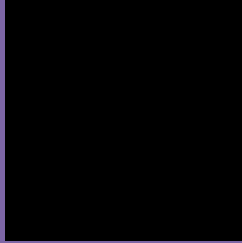
Any Text WCAG AA × Fail

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 125, 102, 166 Background



This preview shows how black text looks on a background with the RYB color 125, 102, 166.

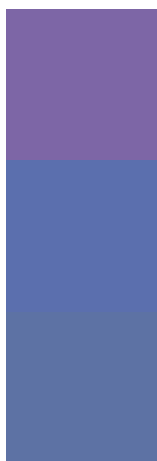


This preview shows how white text looks on a background with the RYB color 125, 102, 166.

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

125, 102, 166

Protanopia

91, 107, 174

Deuteranopia

93, 109, 164



Tritanopia
117, 112, 120

Trichromacy



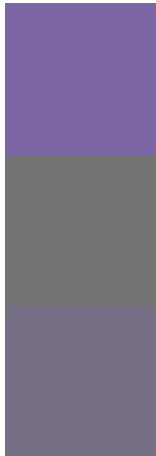
Original Color
125, 102, 166

Protanomaly
103, 108, 171

Deuteranomaly
105, 109, 165

Tritanomaly
120, 108, 137

Monochromacy



Original Color
125, 102, 166

Achromatopsia
116, 116, 116

Achromatomaly
119, 111, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 125, 102, 166 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(125, 102, 166)` looks like.

```
.text, #text, p{  
    color:rgb(125, 102, 166)  
}
```

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(125, 102, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 102, 166) }
```

Border

The CSS property to change the border of an element to RYB 125, 102, 166 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(125, 102, 166) }
```

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

```
.border{ border-color:rgb(125, 102, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 102, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 102, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 102, 166); box-shadow:4px 4px 4px 4px rgb(125, 102, 166) }
```

Background

The CSS property to change the background color of an element to RYB 125, 102, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 102, 166) }
```

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

```
.background{ background-color: rgb(125,  
102, 166) }
```

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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