

Converting Colors

`RYB(122, 105, 197)`

Have a look what the booklet for
RYB(122, 105, 197) contains.

RYB(122, 105, 197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(122, 105, 197)

Conversions

Conversions Part 1

Format	Color
Hex	7A69C5
RGB	122, 105, 197
RGB Percent	48%, 41%, 77%
CMY	0.5216, 0.5882, 0.2275
CMYK	0.38, 0.47, 0.00, 0.23
HSL	251°, 44%, 59%
HSV	251°, 47%, 77%
XYZ	23.1557, 18.2719, 55.1297
YIQ	120.5710, -19.4000, 32.2160

Conversions

Conversions Part 2

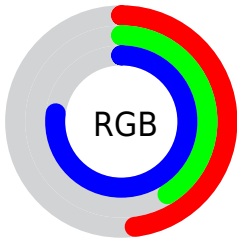
Format	Color
RYB	122, 105, 197
Decimal	8022469
CIELab	49.82, 28.55, -45.92
CIElCh	50, 54.070, 301.876
Yxy	18.2719, 0.2398, 0.1892
Android (android.graphics.Color)	4286212549 (0xFF7A69C5)
YUV	120.5710, 37.6795, 1.2532
Hunter-Lab	42.7457, 21.8898, -46.5452

Details

The RYB color **122, 105, 197** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **105, 197, 122**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **177, 156, 254**, and **68, 57, 143** is the 20% darker color. If you saturate the color by 10%, you get **106, 85, 197**, and if you desaturate by 10%, it is **138, 125, 197**.

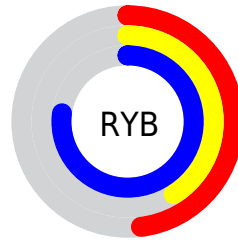
Distribution



Red (48%)

Green (41%)

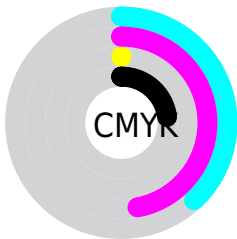
Blue (77%)



Red (48%)

Yellow (41%)

Blue (77%)

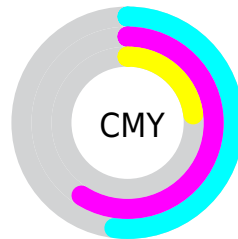


Cyan (38%)

Magenta (47%)

Yellow (0%)

Black (23%)



Cyan (52%)

Magenta (59%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 105, 197 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 122, 105, 197 by changing the saturation by 10% instead.

 122, 105, 197


255, 255, 255

 177, 156, 254

 206, 183, 255


 235, 211, 255


 255, 240, 255

 122, 105, 197

 95, 81, 169

 68, 57, 143

 40, 35, 116

 1, 13, 91


 0, 0, 67

 0, 3, 44

 0, 1, 22

 0, 0, 0

 122, 105, 197

 122, 105, 197

■ 106, 85, 197

■ 138, 125, 197

■ 90, 66, 197

■ 154, 144, 197

■ 74, 46, 197

■ 170, 164, 197

■ 58, 26, 197

■ 186, 184, 197

■ 42, 6, 197

■ 197, 204, 199

■ 36, 0, 197

■ 197, 223, 202

■ 197, 243, 206

■ 197, 255, 202

■ 197, 255, 197

Harmonies

Analogous

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



0, 78, 211



122, 105, 197



176, 84, 163

Triad

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



122, 105, 197



175, 158, 34



0, 75, 140

Complementary

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



122, 105, 197



105, 197, 122

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, 89, 137



122, 105, 197



34, 139, 8

Square

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



122, 105, 197



197, 82, 73



32, 130, 70



0, 76, 166

Rectangle

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



122, 105, 197



195, 75, 133



32, 130, 70



0, 80, 139

Sweetspot

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



122, 105, 197



226, 219, 255



105, 146, 197



110, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 105, 197



139, 112, 255



168, 105, 197



91, 90, 99



30, 0, 163



7, 0, 36

Inverse Universe

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



197, 105, 180



255, 112, 229



105, 197, 168



99, 90, 98



163, 0, 133



36, 0, 29

Previews

White Background



This preview shows how the RYB color 122, 105, 197 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 122, 105, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

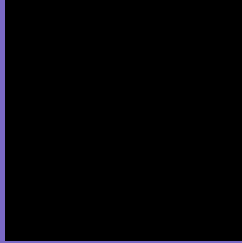
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 122, 105, 197 Background



This preview shows how black text looks on a background with the RYB color 122, 105, 197.



This preview shows how white text looks on a background with the RYB color 122, 105, 197.

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](#).

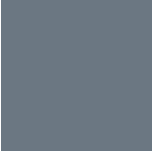
Dichromacy



Original Color
122, 105, 197

Protanopia
77, 106, 207

Deuteranopia
71, 106, 194



Tritanopia
107, 115, 130

Trichromacy



Original Color

122, 105, 197

Protanomaly

93, 108, 203

Deuteranomaly

90, 110, 195

Tritanomaly

112, 115, 154

Monochromacy



Original Color

122, 105, 197

Achromatopsia

121, 121, 121

Achromatomaly

121, 115, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 105, 197 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(122, 105, 197)` looks like.

```
.text, #text, p{  
    color:rgb(122, 105, 197)  
}
```

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(122, 105, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 105, 197) }
```

Border

The CSS property to change the border of an element to RYB 122, 105, 197 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(122, 105, 197) }
```

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

```
.border{ border-color:rgb(122, 105, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 105, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 105, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 105, 197);  
box-shadow:4px 4px 4px 4px rgb(122, 105,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 122, 105, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 105, 197) }
```

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

```
.background{ background-color: rgb(122,  
105, 197) }
```

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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