

Converting Colors

`RYB(130, 106, 155)`

Have a look what the booklet for
RYB(130, 106, 155) contains.

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Color

R_YB(130, 106, 155)

Conversions

Conversions Part 1

Format	Color
Hex	826A9B
RGB	130, 106, 155
RGB Percent	51%, 42%, 61%
CMY	0.4902, 0.5843, 0.3922
CMYK	0.16, 0.32, 0.00, 0.39
HSL	269°, 20%, 51%
HSV	269°, 32%, 61%
XYZ	20.2763, 17.4205, 33.3041
YIQ	118.7620, -1.4250, 20.3270

Conversions

Conversions Part 2

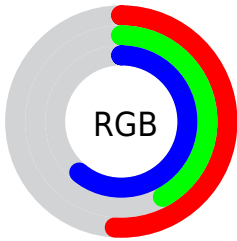
Format	Color
R_{YB}	130, 106, 155
Decimal	8546971
CIE _{Lab}	48.79, 19.51, -23.06
CIE _{LCh}	49, 30.203, 310.240
Yxy	17.4205, 0.2856, 0.2454
Android (android.graphics.Color)	4286737051 (0xFF826A9B)
YUV	118.7620, 17.8653, 9.8557
Hunter-Lab	41.7378, 13.6746, -18.0932

Details

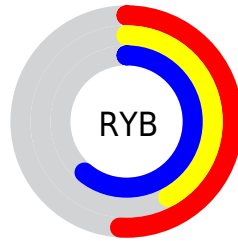
The RYB color **130, 106, 155** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **106, 155, 130**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **184, 157, 210**, and **80, 58, 104** is the 20% darker color. If you saturate the color by 10%, you get **122, 91, 155**, and if you desaturate by 10%, it is **138, 122, 155**.

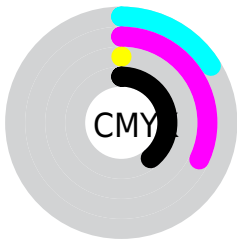
Distribution



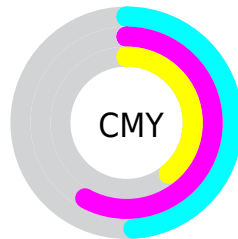
- Red (51%)
- Green (42%)
- Blue (61%)



- Red (51%)
- Yellow (42%)
- Blue (61%)



- Cyan (16%)
- Magenta (32%)
- Yellow (0%)
- Black (39%)



- Cyan (49%)
- Magenta (58%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the RYB color 130, 106, 155 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 130, 106, 155 by changing the saturation by 10% instead.

 130, 106, 155

255, 255, 255

 184, 157, 210

 211, 184, 238


 240, 212, 255


 255, 241, 255

 130, 106, 155

 104, 82, 129

 80, 58, 104


 56, 36, 79

 33, 16, 56


 12, 0, 35

 0, 0, 9

 0, 0, 0

 130, 106, 155

 122, 91, 155

 130, 106, 155

 138, 122, 155

■ 114, 75, 155

■ 146, 137, 155

■ 106, 60, 155

■ 154, 153, 155

■ 98, 44, 155

■ 155, 168, 161

■ 90, 29, 155

■ 155, 184, 169

■ 83, 13, 155

■ 155, 199, 177

■ 76, 0, 155

■ 155, 214, 184

■ 155, 230, 192

■ 155, 246, 200

Harmonies

Analogous

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



93, 110, 166



130, 106, 155



155, 98, 134

Triad

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



130, 106, 155



145, 147, 68



18, 76, 130

Complementary

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



130, 106, 155



106, 155, 130

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.



63, 105, 128



130, 106, 155



73, 124, 65

Square

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



130, 106, 155



162, 104, 84



76, 124, 104



0, 69, 148

Rectangle

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



130, 106, 155



163, 96, 117



76, 124, 104



36, 86, 129

Sweetspot

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



130, 106, 155



192, 183, 201



106, 123, 155



96, 91, 102



230, 230, 230



102, 102, 102

Same Dimension

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



130, 106, 155



162, 125, 201



154, 106, 155



73, 69, 77



69, 0, 140



6, 0, 13

Inverse Universe

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



155, 106, 131



201, 125, 164



106, 155, 154



77, 69, 73



140, 0, 72



13, 0, 7

Previews

White Background



This preview shows how the RYB color 130, 106, 155 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 130, 106, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

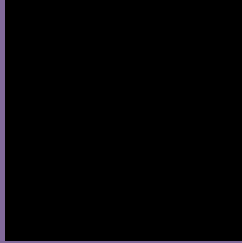
Any Text WCAG AA × Fail

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 130, 106, 155 Background



This preview shows how black text looks on a background with the RYB color 130, 106, 155.



This preview shows how white text looks on a background with the RYB color 130, 106, 155.

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](#).

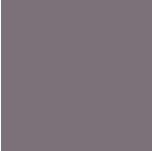
Dichromacy



Original Color
130, 106, 155

Protanopia
102, 112, 161

Deuteranopia
107, 113, 153



Tritanopia
124, 113, 121

Trichromacy



Original Color
130, 106, 155

Protanomaly
112, 111, 159

Deuteranomaly
115, 111, 154

Tritanomaly
126, 110, 133

Monochromacy



Original Color
130, 106, 155

Achromatopsia
119, 119, 119

Achromatomaly
123, 114, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 130, 106, 155 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(130, 106, 155)` looks like.

```
.text, #text, p{  
    color:rgb(130, 106, 155)  
}
```

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(130, 106, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 106, 155) }
```

Border

The CSS property to change the border of an element to RYB 130, 106, 155 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(130, 106, 155) }
```

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

```
.border{ border-color:rgb(130, 106, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 106, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 106, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 106, 155);  
box-shadow:4px 4px 4px 4px rgb(130, 106,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 130, 106, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 106, 155) }
```

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

```
.background{ background-color: rgb(130,  
106, 155) }
```

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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