

# Converting Colors

`RYB(178, 154, 224)`

Have a look what the booklet for  
RYB(178, 154, 224) contains.

<b>RYB(178, 154, 224)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**R<sub>Y</sub>B(178, 154, 224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B29AE0
RGB	178, 154, 224
RGB Percent	70%, 60%, 88%
CMY	0.3020, 0.3961, 0.1216
CMYK	0.21, 0.31, 0.00, 0.12
HSL	261°, 53%, 74%
HSV	261°, 31%, 88%
XYZ	43.3702, 37.9580, 75.5618
YIQ	169.1560, -8.1660, 26.8580

# Conversions

## Conversions Part 2

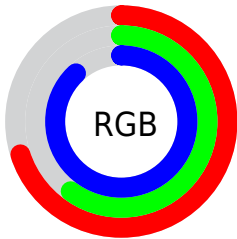
Format	Color
R <sub>Y</sub> B	178, 154, 224
Decimal	11705056
CIE Lab	67.99, 22.91, -32.26
CIE LCh	68, 39.568, 305.382
Yxy	37.9580, 0.2764, 0.2419
Android (android.graphics.Color)	4289895136 (0xFFB29AE0)
YUV	169.1560, 27.0381, 7.7562
Hunter-Lab	61.6101, 17.8370, -29.5893

# Details

The RYB color **178, 154, 224** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **154, 224, 178**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **235, 209, 255**, and **124, 103, 168** is the 20% darker color. If you saturate the color by 10%, you get **163, 132, 224**, and if you desaturate by 10%, it is **193, 176, 224**.

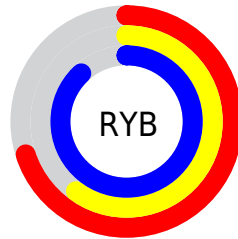
# Distribution



Red (70%)

Green (60%)

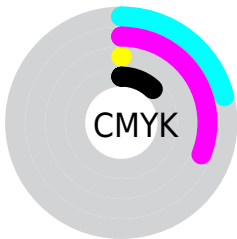
Blue (88%)



Red (70%)

Yellow (60%)

Blue (88%)

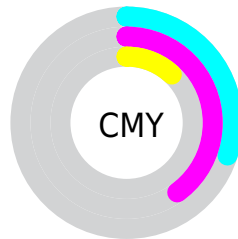


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (12%)



Cyan (30%)

Magenta (40%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 178, 154, 224 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 178, 154, 224 by changing the saturation by 10% instead.





 178, 154, 224

255, 255, 255

 235, 209, 255

 255, 237, 255

 178, 154, 224

 151, 128, 196

 124, 103, 168

 98, 79, 142

 73, 55, 116

 49, 34, 91

 24, 13, 67


 0, 0, 45


 0, 1, 23


 0, 0, 0

 178, 154, 224

 178, 154, 224

 163, 132, 224

 193, 176, 224

 149, 109, 224

 207, 199, 224

 134, 87, 224

 222, 221, 224

 119, 64, 224

 224, 244, 231

 104, 42, 224

 224, 255, 227

 90, 20, 224

 224, 255, 224

 77, 0, 224

# Harmonies

## Analogous

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



123, 155, 236



178, 154, 224



216, 142, 196

# Triad

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



178, 154, 224



213, 198, 101



40, 116, 185

# Complementary

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



178, 154, 224



154, 224, 178

# 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.



100, 157, 182



178, 154, 224



113, 182, 93

# Square

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



178, 154, 224



232, 145, 126



106, 176, 138



0, 97, 206

# Rectangle

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



178, 154, 224



230, 138, 173



106, 176, 138



64, 131, 184



# Sweetspot

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



178, 154, 224



240, 232, 255



154, 182, 224



118, 113, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



178, 154, 224



191, 158, 255



212, 154, 224



105, 101, 112



60, 0, 176



17, 0, 48



# Inverse Universe

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



224, 154, 200



255, 158, 222



154, 224, 212



112, 101, 108



176, 0, 116



48, 0, 32



# Previews

## White Background



This preview shows how the RYB color 178, 154, 224 looks on a white background.

## Color Contrast Check

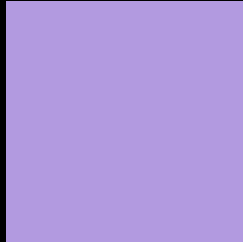
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 178, 154, 224 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 ✓ Pass

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



## RYB 178, 154, 224 Background



This preview shows how black text looks on a background with the RYB color 178, 154, 224.



This preview shows how white text looks on a background with the RYB color 178, 154, 224.

# 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**  
178, 154, 224

**Protanopia**  
145, 160, 231

**Deuteranopia**  
150, 161, 222



**Tritanopia**  
170, 163, 176

# Trichromacy



**Original Color**  
178, 154, 224

**Protanomaly**  
157, 160, 228

**Deuteranomaly**  
160, 160, 223

**Tritanomaly**  
173, 160, 193

# Monochromacy



**Original Color**  
178, 154, 224

**Achromatopsia**  
169, 169, 169

**Achromatomaly**  
172, 164, 189

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 178, 154, 224 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(178, 154, 224)` looks like.

```
.text, #text, p{  
    color:rgb(178, 154, 224)  
}
```

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(178, 154, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 154, 224) }
```

## Border

The CSS property to change the border of an element to RYB 178, 154, 224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

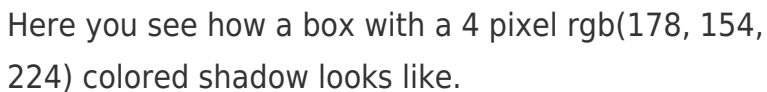
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 154, 224) }
```

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

```
.border{ border-color:rgb(178, 154, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 154, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 154, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 154, 224);  
box-shadow:4px 4px 4px 4px rgb(178, 154,  
224) }
```

# Background

The CSS property to change the background color of an element to RYB 178, 154, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 154, 224) }
```

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

```
.background{ background-color: rgb(178,  
154, 224) }
```

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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