

Converting Colors

`RYB(155, 135, 176)`

Have a look what the booklet for
RYB(155, 135, 176) contains.

RYB(155, 135, 176)	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(155, 135, 176)

Conversions

Conversions Part 1

Format	Color
Hex	9B87B0
RGB	155, 135, 176
RGB Percent	61%, 53%, 69%
CMY	0.3922, 0.4706, 0.3098
CMYK	0.12, 0.23, 0.00, 0.31
HSL	269°, 21%, 61%
HSV	269°, 23%, 69%
XYZ	30.0180, 27.4311, 44.7869
YIQ	145.6540, -1.2410, 16.9910

Conversions

Conversions Part 2

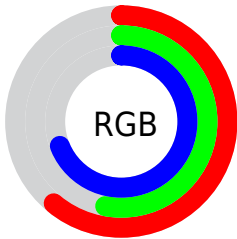
Format	Color
RYB	155, 135, 176
Decimal	10192816
CIELab	59.37, 15.62, -18.79
CIElCh	59, 24.437, 309.746
Yxy	27.4311, 0.2936, 0.2683
Android (android.graphics.Color)	4288382896 (0xFF9B87B0)
YUV	145.6540, 14.9606, 8.1964
Hunter-Lab	52.3747, 10.6497, -14.0381

Details

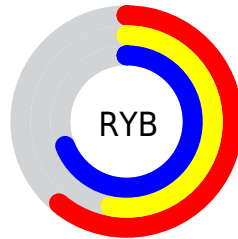
The RYB color **155, 135, 176** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **135, 176, 155**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **210, 188, 232**, and **103, 85, 123** is the 20% darker color. If you saturate the color by 10%, you get **146, 117, 176**, and if you desaturate by 10%, it is **164, 153, 176**.

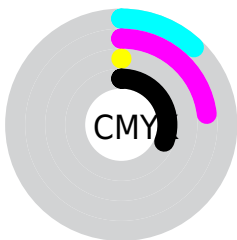
Distribution



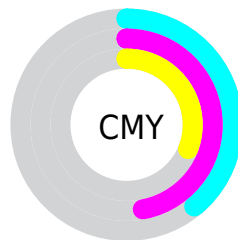
- Red (61%)
- Green (53%)
- Blue (69%)



- Red (61%)
- Yellow (53%)
- Blue (69%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)



- Cyan (39%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 155, 135, 176 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 155, 135, 176 by changing the saturation by 10% instead.

 155, 135, 176

255, 255, 255


 210, 188, 232

 238, 216, 255

 255, 245, 255


 155, 135, 176

 129, 110, 149

 103, 85, 123

 79, 62, 98

 56, 40, 74

 33, 19, 52

 13, 0, 31

 0, 0, 1

 0, 0, 0

 155, 135, 176

 155, 135, 176

146, 117, 176

164, 153, 176

137, 100, 176

173, 170, 176

128, 82, 176

176, 188, 182

119, 65, 176

176, 205, 190

110, 47, 176

176, 223, 199

101, 29, 176

176, 241, 208

92, 12, 176

176, 255, 213

86, 0, 176

176, 255, 204

176, 255, 195

Harmonies

Analogous

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



126, 139, 185



155, 135, 176



176, 129, 158

Triad

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



155, 135, 176



171, 171, 103



82, 120, 155

Complementary

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



155, 135, 176



135, 176, 155

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.



103, 138, 154



155, 135, 176



108, 151, 100

Square

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



155, 135, 176



184, 134, 116



109, 150, 132



78, 119, 170

Rectangle

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



155, 135, 176



184, 127, 144



109, 150, 132



88, 125, 155

Sweetspot

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



155, 135, 176



221, 213, 230



135, 149, 176



110, 106, 115



242, 242, 242



115, 115, 115

Same Dimension

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



155, 135, 176



197, 165, 230



175, 135, 176



85, 80, 89



75, 0, 153



12, 0, 26

Inverse Universe

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



176, 135, 156



230, 165, 198



135, 176, 175



89, 80, 85



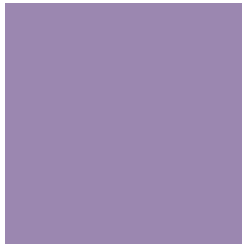
153, 0, 78



26, 0, 13

Previews

White Background



This preview shows how the RYB color 155, 135, 176 looks on a white background.

Color Contrast Check

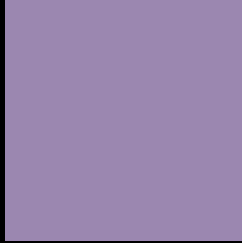
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 155, 135, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

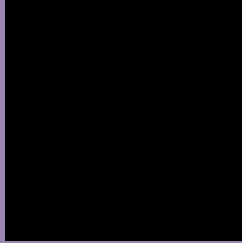
Any Text WCAG AA ✓ Pass

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 155, 135, 176 Background



This preview shows how black text looks on a background with the RYB color 155, 135, 176.



This preview shows how white text looks on a background with the RYB color 155, 135, 176.

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
155, 135, 176

Protanopia
133, 141, 181

Deuteranopia
141, 140, 175



Tritanopia
151, 140, 151

Trichromacy



Original Color
155, 135, 176

Protanomaly
141, 139, 179

Deuteranomaly
146, 138, 175

Tritanomaly
152, 138, 160

Monochromacy



Original Color
155, 135, 176

Achromatopsia
146, 146, 146

Achromatomaly
149, 142, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 155, 135, 176 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(155, 135, 176)` looks like.

```
.text, #text, p{  
    color:rgb(155, 135, 176)  
}
```

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(155, 135, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 135, 176) }
```

Border

The CSS property to change the border of an element to RYB 155, 135, 176 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(155, 135, 176) }
```

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

```
.border{ border-color:rgb(155, 135, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 135, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 135, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 135, 176);  
box-shadow:4px 4px 4px 4px rgb(155, 135,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 155, 135, 176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 135, 176) }
```

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

```
.background{ background-color: rgb(155,  
135, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor