Converting Colors

RYB(128, 87, 158)

Have a look what the booklet for RYB(128, 87, 158) contains.

Color

RYB(128, 87, 158)

Conversions

Format	Color
	Conversions Part 1
Hex	80579E
RGB	128, 87, 158
RGB Percent	50%, 34%, 62%
CMY	0.4980, 0.6588, 0.3804
CMYK	0.19, 0.45, 0.00, 0.38
HSL	275°, 29%, 48%
HSV	275°, 45%, 62%
XYZ	18.4818, 13.8742, 34.0516
YIQ	107.3530, 1.6450, 30.7730

Conversions

Conversions Part 2

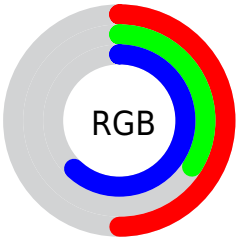
Format	Color
RYB	128, 87, 158
Decimal	8411038
CIELab	44.05, 30.83, -32.22
CIELCh	44, 44.590, 313.736
Yxy	13.8742, 0.2783, 0.2089
Android (android.graphics.Color)	4286601118 (0xFF80579E)
YUV	107.3530, 24.9690, 18.1074
Hunter-Lab	37.2481, 23.3843, -28.1283

Details

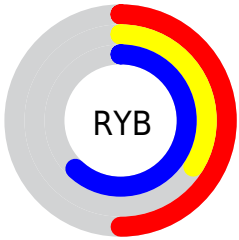
The RYB color 128, 87, 158 is a dark color, and the websafe version is hex 996699. A complement of this color would be 87, 158, 128, and the grayscale version is 107, 107, 107.

A 20% lighter version of the original color is 182, 138, 213, and 77, 40, 106 is the 20% darker color. If you saturate the color by 10%, you get 121, 71, 158, and if you desaturate by 10%, it is 135, 103, 158.

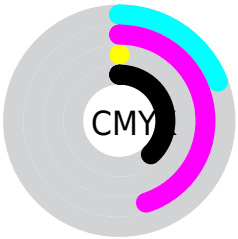
Distribution



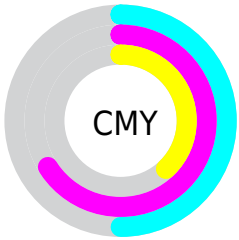
- Red (50%)
- Green (34%)
- Blue (62%)



- Red (50%)
- Yellow (34%)
- Blue (62%)



- Cyan (19%)
- Magenta (45%)
- Yellow (0%)
- Black (38%)



- Cyan (50%)
- Magenta (66%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 87, 158 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 128, 87, 158 by changing the saturation by 10% instead.

128, 87, 158	128, 87, 158
255, 255, 255	102, 63, 132
182, 138, 213	77, 40, 106
210, 164, 241	52, 17, 82
239, 192, 255	29, 0, 58
255, 220, 255	0, 0, 36
255, 248, 255	0, 0, 11
	0, 0, 0

128, 87, 158	128, 87, 158
121, 71, 158	135, 103, 158

115, 55, 158

108, 40, 158

101, 24, 158

95, 8, 158

91, 0, 158

141, 119, 158

148, 134, 158

155, 150, 158

158, 166, 163

158, 182, 172

158, 198, 181

158, 213, 190

158, 229, 199

Harmonies

Analogous

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

66, 93, 176

128, 87, 158

161, 73, 126

Triad

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

128, 87, 158

105, 140, 29

0, 61, 122

Complementary

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

128, 87, 158

87, 158, 128

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, 72, 121

128, 87, 158

25, 108, 25

Square

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

128, 87, 158

163, 88, 54

47, 116, 97

0, 68, 155

Rectangle

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

128, 87, 158

171, 69, 101

47, 116, 97

0, 65, 122

Sweetspot

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

128, 87, 158

195, 180, 207

87, 109, 158

97, 88, 105

232, 232, 232

105, 105, 105

Same Dimension

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

128, 87, 158

159, 95, 207

158, 87, 153

76, 71, 79

82, 0, 143

9, 0, 15

Inverse Universe

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

158, 87, 117

207, 95, 142

87, 153, 158

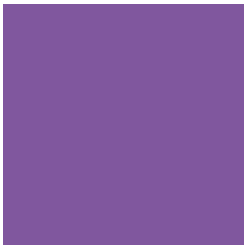
79, 71, 74

143, 0, 60

15, 0, 6

Previews

White Background

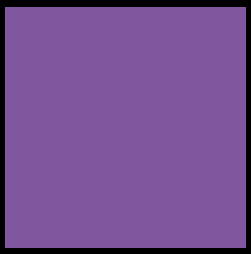


This preview shows how the RYB color 128, 87, 158 looks on a white background.

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



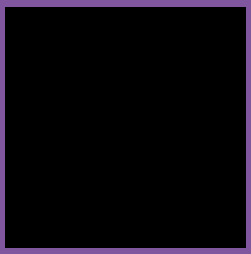
This preview shows how the RYB color 128, 87, 158 looks on a black background.

Color Contrast Check

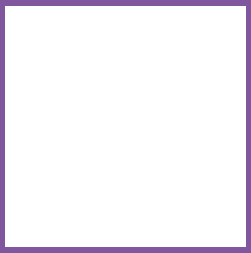
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 128, 87, 158 Background



This preview shows how black text looks on a background with the RYB color 128, 87, 158.

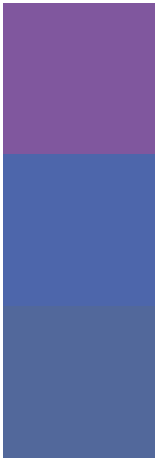


This preview shows how white text looks on a background with the RYB color 128, 87, 158.

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



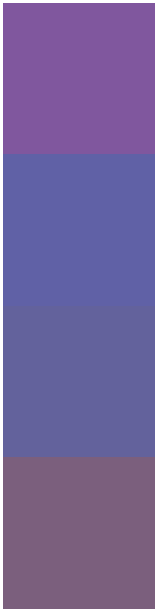
Original Color
128, 87, 158

Protanopia
77, 97, 171

Deuteranopia
82, 99, 155

Tritanopia
120, 99, 106

Trichromacy



Original Color
128, 87, 158

Protanomaly
96, 97, 166

Deuteranomaly
99, 98, 156

Tritanomaly
123, 95, 125

Monochromacy

Original Color
128, 87, 158

Achromatopsia
107, 107, 107

Achromatomaly
115, 100, 126

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 87, 158 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(128, 87, 158) looks like.

```
.text, #text, p{
    color:rgb(128, 87, 158)
}
```

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(128, 87, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 87, 158) }
```

Border

The CSS property to change the border of an element to RYB 128, 87, 158 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(128, 87, 158) }
```

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

```
.border{ border-color:rgb(128, 87, 158) }
```

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

Here you see how a box with a 4 pixel rgb(128, 87, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 87, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 87, 158); box-shadow:4px 4px 4px 4px rgb(128, 87, 158) }
```

Background

The CSS property to change the background color of an element to RYB 128, 87, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(128, 87, 158) }
```

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

```
.background{ background-color:rgb(128, 87,
158) }
```

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