

Converting Colors

`RYB(134, 87, 175)`

Have a look what the booklet for
RYB(134, 87, 175) contains.

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Color

RYP(134, 87, 175)

Conversions

Conversions Part 1

Format	Color
Hex	8657AF
RGB	134, 87, 175
RGB Percent	53%, 34%, 69%
CMY	0.4745, 0.6588, 0.3137
CMYK	0.23, 0.50, 0.00, 0.31
HSL	272°, 35%, 51%
HSV	272°, 50%, 69%
XYZ	20.9776, 14.9799, 42.3432
YIQ	111.0850, -0.2360, 37.3320

Conversions

Conversions Part 2

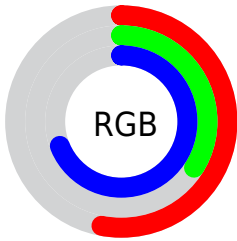
Format	Color
R_{YB}	134, 87, 175
Decimal	8804271
CIE _{Lab}	45.61, 36.62, -39.77
CIE _{LCh}	46, 54.057, 312.640
Yxy	14.9799, 0.2679, 0.1913
Android (android.graphics.Color)	4286994351 (0xFF8657AF)
YUV	111.0850, 31.5101, 20.0965
Hunter-Lab	38.7038, 29.0157, -37.7724

Details

The RYB color **134, 87, 175** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **87, 175, 134**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **189, 138, 231**, and **81, 39, 122** is the 20% darker color. If you saturate the color by 10%, you get **126, 70, 175**, and if you desaturate by 10%, it is **142, 105, 175**.

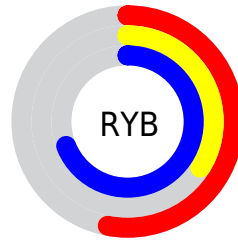
Distribution



Red (53%)

Green (34%)

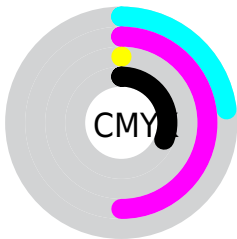
Blue (69%)



Red (53%)

Yellow (34%)

Blue (69%)

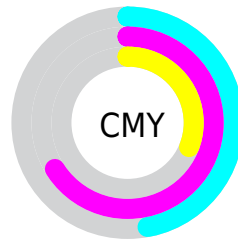


Cyan (23%)

Magenta (50%)

Yellow (0%)

Black (31%)



Cyan (47%)

Magenta (66%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 134, 87, 175 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 134, 87, 175 by changing the saturation by 10% instead.



134, 87, 175



134, 87, 175

255, 255, 255



107, 63, 148



189, 138, 231



81, 39, 122



218, 165, 255



56, 15, 97



247, 192, 255



30, 0, 72



255, 220, 255



0, 0, 49



255, 249, 255



0, 1, 27



0, 0, 0



134, 87, 175



134, 87, 175



126, 70, 175



142, 105, 175

■ 118, 52, 175

■ 150, 122, 175

■ 110, 34, 175

■ 158, 139, 175

■ 101, 17, 175

■ 167, 157, 175

■ 93, 0, 175

■ 175, 175, 175

■ 175, 192, 184

■ 175, 210, 194

■ 175, 227, 203

■ 175, 244, 212

Harmonies

Analogous

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



42, 88, 197



134, 87, 175



176, 67, 136

Triad

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



134, 87, 175



97, 151, 8



0, 65, 129

Complementary

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



134, 87, 175



87, 175, 134

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, 78, 127



134, 87, 175



0, 112, 0

Square

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



134, 87, 175



179, 84, 48



35, 122, 97



0, 72, 168

Rectangle

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



134, 87, 175



187, 61, 106



35, 122, 97



0, 69, 129

Sweetspot

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



134, 87, 175



211, 193, 227



87, 115, 175



105, 94, 115



242, 242, 242



115, 115, 115

Same Dimension

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



134, 87, 175



164, 91, 227



175, 87, 172



83, 78, 87



80, 0, 150



12, 0, 23

Inverse Universe

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



175, 87, 128



227, 91, 154



87, 172, 175



87, 78, 82



150, 0, 70



23, 0, 11

Previews

White Background



This preview shows how the RYB color 134, 87, 175 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 134, 87, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

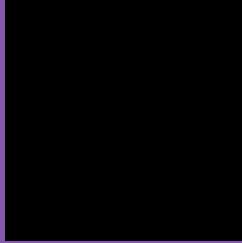
Any Text WCAG AA × Fail

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 134, 87, 175 Background



This preview shows how black text looks on a background with the RYB color 134, 87, 175.

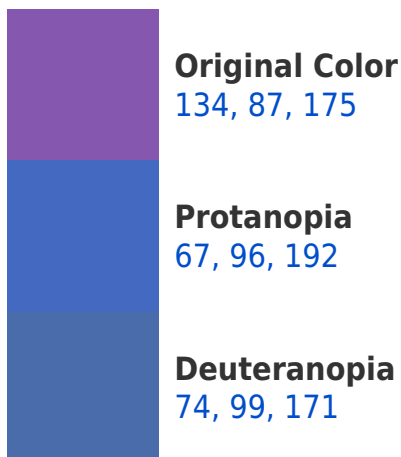



This preview shows how white text looks on a background with the RYB color 134, 87, 175.

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





Tritanopia
123, 103, 111

Trichromacy



Original Color
134, 87, 175

Protanomaly
91, 98, 186

Deuteranomaly
96, 100, 172

Tritanomaly
127, 97, 134

Monochromacy



Original Color
134, 87, 175

Achromatopsia
111, 111, 111

Achromatomaly
119, 102, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 134, 87, 175 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(134, 87, 175)` looks like.

```
.text, #text, p{  
    color:rgb(134, 87, 175)  
}
```

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(134, 87, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 87, 175) }
```

Border

The CSS property to change the border of an element to RYB 134, 87, 175 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(134, 87, 175) }
```

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

```
.border{ border-color:rgb(134, 87, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 87, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 87, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 87, 175);  
box-shadow:4px 4px 4px 4px rgb(134, 87,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 134, 87, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 87, 175) }
```

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

```
.background{ background-color: rgb(134, 87,  
175) }
```

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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