

Converting Colors

`RYB(136, 131, 170)`

Have a look what the booklet for
RYB(136, 131, 170) contains.

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Color

R_YB(136, 131, 170)

Conversions

Conversions Part 1

Format	Color
Hex	8883AA
RGB	136, 131, 170
RGB Percent	53%, 51%, 67%
CMY	0.4667, 0.4863, 0.3333
CMYK	0.20, 0.23, 0.00, 0.33
HSL	248°, 19%, 59%
HSV	248°, 23%, 67%
XYZ	25.5253, 24.3691, 41.3886
YIQ	136.9410, -9.5390, 13.1890

Conversions

Conversions Part 2

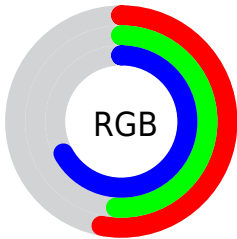
Format	Color
R_{YB}	136, 131, 170
Decimal	8946602
CIE _{Lab}	56.46, 10.28, -19.96
CIE _{LCh}	56, 22.447, 297.254
Yxy	24.3691, 0.2796, 0.2670
Android (android.graphics.Color)	4287136682 (0xFF8883AA)
YUV	136.9410, 16.2981, -0.8253
Hunter-Lab	49.3651, 5.9086, -15.1543

Details

The RYB color **136, 131, 170** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **131, 170, 136**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **190, 184, 225**, and **86, 82, 118** is the 20% darker color. If you saturate the color by 10%, you get **121, 114, 170**, and if you desaturate by 10%, it is **151, 148, 170**.

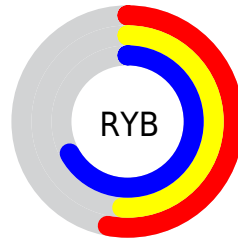
Distribution



Red (53%)

Green (51%)

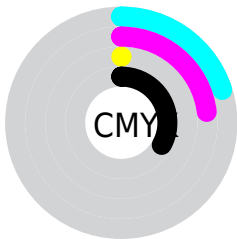
Blue (67%)



Red (53%)

Yellow (51%)

Blue (67%)

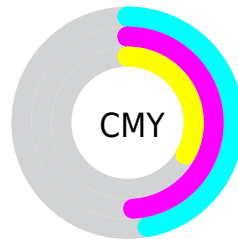


Cyan (20%)

Magenta (23%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (49%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 131, 170 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 136, 131, 170 by changing the saturation by 10% instead.

 136, 131, 170


255, 255, 255

 190, 184, 225

 218, 212, 254

 246, 240, 255

 136, 131, 170

 110, 106, 143

 86, 82, 118

 62, 59, 93

 39, 37, 69

 17, 17, 47

 0, 1, 26

 0, 0, 0

 136, 131, 170

 121, 114, 170

 136, 131, 170

 151, 148, 170

■ 106, 97, 170

■ 166, 165, 170

■ 92, 80, 170

■ 170, 182, 172

■ 77, 63, 170

■ 170, 199, 174

■ 62, 46, 170

■ 170, 216, 176

■ 47, 29, 170

■ 170, 233, 178

■ 32, 12, 170

■ 170, 250, 180

■ 22, 0, 170

■ 170, 255, 170

Harmonies

Analogous

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



108, 129, 174



136, 131, 170



159, 125, 157

Triad

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



136, 131, 170



167, 141, 103



88, 121, 146

Complementary

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



136, 131, 170



131, 170, 136

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.



108, 139, 144



136, 131, 170



124, 151, 97

Square

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



136, 131, 170



175, 122, 118



100, 140, 109



77, 113, 153

Rectangle

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



136, 131, 170



169, 122, 145



100, 140, 109



94, 126, 146

Sweetspot

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



136, 131, 170



208, 206, 222



131, 149, 170



104, 103, 112



240, 240, 240



112, 112, 112

Same Dimension

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



136, 131, 170



168, 160, 222



155, 131, 170



77, 76, 84



19, 0, 148



3, 0, 20

Inverse Universe

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



170, 131, 165



222, 160, 214



131, 170, 155



84, 76, 83



148, 0, 129



20, 0, 18

Previews

White Background



This preview shows how the RYB color 136, 131, 170 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 136, 131, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

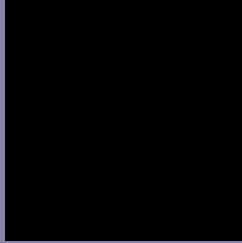
Any Text WCAG AA ✓ Pass

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 136, 131, 170 Background



This preview shows how black text looks on a background with the RYB color 136, 131, 170.



This preview shows how white text looks on a background with the RYB color 136, 131, 170.

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

136, 131, 170

Protanopia

126, 133, 172

Deuteranopia

131, 133, 170



Tritanopia

132, 134, 146

Trichromacy



Original Color
136, 131, 170

Protanomaly
130, 133, 171

Deuteranomaly
133, 132, 170

Tritanomaly
133, 134, 155

Monochromacy



Original Color
136, 131, 170

Achromatopsia
137, 137, 137

Achromatomaly
137, 135, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 131, 170 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(136, 131, 170)` looks like.

```
.text, #text, p{  
    color:rgb(136, 131, 170)  
}
```

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(136, 131, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 131, 170) }
```

Border

The CSS property to change the border of an element to RYB 136, 131, 170 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(136, 131, 170) }
```

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

```
.border{ border-color:rgb(136, 131, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 131, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 131, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 131, 170);  
box-shadow:4px 4px 4px 4px rgb(136, 131,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 136, 131, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 131, 170) }
```

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

```
.background{ background-color: rgb(136,  
131, 170) }
```

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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