

Converting Colors

`RYB(136, 106, 155)`

Have a look what the booklet for
RYB(136, 106, 155) contains.

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Color

R_YB(136, 106, 155)

Conversions

Conversions Part 1

Format	Color
Hex	886A9B
RGB	136, 106, 155
RGB Percent	53%, 42%, 61%
CMY	0.4667, 0.5843, 0.3922
CMYK	0.12, 0.32, 0.00, 0.39
HSL	277°, 20%, 51%
HSV	277°, 32%, 61%
XYZ	21.2238, 17.9089, 33.3485
YIQ	120.5560, 2.1510, 21.5990

Conversions

Conversions Part 2

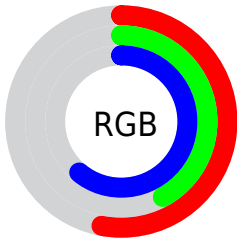
Format	Color
R_{YB}	136, 106, 155
Decimal	8940187
CIE _{Lab}	49.39, 21.51, -22.08
CIE _{LCh}	49, 30.824, 314.247
Yxy	17.9089, 0.2928, 0.2471
Android (android.graphics.Color)	4287130267 (0xFF886A9B)
YUV	120.5560, 16.9809, 13.5444
Hunter-Lab	42.3189, 15.4634, -17.0990

Details

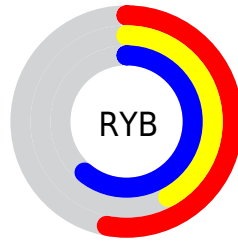
The RYB color **136, 106, 155** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **106, 155, 136**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **190, 158, 210**, and **85, 58, 104** is the 20% darker color. If you saturate the color by 10%, you get **130, 91, 155**, and if you desaturate by 10%, it is **142, 122, 155**.

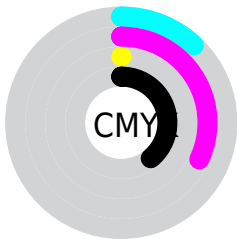
Distribution



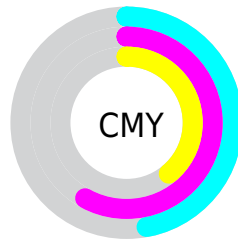
- Red (53%)
- Green (42%)
- Blue (61%)



- Red (53%)
- Yellow (42%)
- Blue (61%)



- Cyan (12%)
- Magenta (32%)
- Yellow (0%)
- Black (39%)



- Cyan (47%)
- Magenta (58%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 106, 155 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, 106, 155 by changing the saturation by 10% instead.

 136, 106, 155

255, 255, 255

 190, 158, 210

 218, 185, 238


 247, 212, 255


 255, 241, 255

 136, 106, 155

 110, 82, 129

 85, 58, 104

 61, 36, 79

 38, 15, 56


 20, 0, 35


 0, 0, 9

 0, 0, 0

 136, 106, 155

 130, 91, 155

 136, 106, 155

 142, 122, 155

124, 75, 155

148, 137, 155

118, 60, 155

154, 153, 155

112, 44, 155

155, 168, 163

106, 29, 155

155, 184, 173

100, 13, 155

155, 199, 182

95, 0, 155

155, 214, 191

155, 230, 201

155, 246, 211

Harmonies

Analogous

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



99, 113, 168



136, 106, 155



159, 98, 132

Triad

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



136, 106, 155



130, 146, 67



2, 67, 131

Complementary

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



136, 106, 155



106, 155, 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.



58, 103, 130



136, 106, 155



68, 122, 66

Square

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



136, 106, 155



163, 109, 82



79, 126, 112



0, 70, 153

Rectangle

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



136, 106, 155



167, 97, 115



79, 126, 112



28, 82, 131

Sweetspot

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



136, 106, 155



194, 183, 201



106, 120, 155



98, 91, 102



230, 230, 230



102, 102, 102

Same Dimension

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



136, 106, 155



172, 125, 201



155, 106, 150



74, 69, 77



86, 0, 140



8, 0, 13

Inverse Universe

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



155, 106, 125



201, 125, 155



106, 150, 155



77, 69, 72



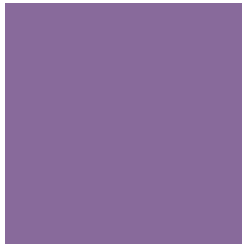
140, 0, 54



13, 0, 5

Previews

White Background



This preview shows how the RYB color 136, 106, 155 looks on a white background.

Color Contrast Check

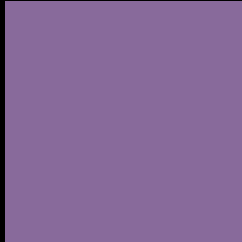
Large Text (above 18pt) WCAG AA ✓ Pass

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 136, 106, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

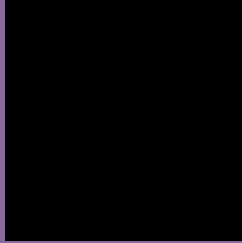
Any Text WCAG AA ✓ Pass

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, 106, 155 Background



This preview shows how black text looks on a background with the RYB color 136, 106, 155.

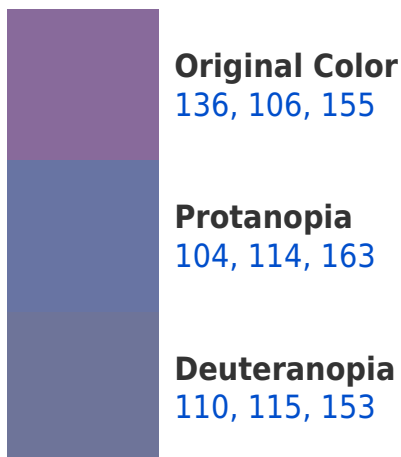



This preview shows how white text looks on a background with the RYB color 136, 106, 155.

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
131, 113, 121

Trichromacy



Original Color
136, 106, 155

Protanomaly
116, 112, 160

Deuteranomaly
119, 112, 154

Tritanomaly
133, 110, 133

Monochromacy



Original Color
136, 106, 155

Achromatopsia
121, 121, 121

Achromatomaly
126, 116, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 106, 155 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, 106, 155)` looks like.

```
.text, #text, p{  
    color:rgb(136, 106, 155)  
}
```

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, 106, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 106, 155) }
```

Border

The CSS property to change the border of an element to RYB 136, 106, 155 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, 106, 155) }
```

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

```
.border{ border-color:rgb(136, 106, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 106, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 106, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 106, 155);  
box-shadow:4px 4px 4px 4px rgb(136, 106,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 136, 106, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 106, 155) }
```

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

```
.background{ background-color: rgb(136,  
106, 155) }
```

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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