

# Converting Colors

`RYB(231, 106, 131)`

Have a look what the booklet for  
RYB(231, 106, 131) contains.

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# Color

**$\text{RYB}(231, 106, 131)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	E76A83
RGB	231, 106, 131
RGB Percent	91%, 42%, 51%
CMY	0.0941, 0.5843, 0.4863
CMYK	0.00, 0.54, 0.43, 0.09
HSL	348°, 72%, 66%
HSV	348°, 54%, 91%
XYZ	42.2058, 28.9357, 24.8334
YIQ	146.2250, 66.4750, 34.2750

# Conversions

## Conversions Part 2

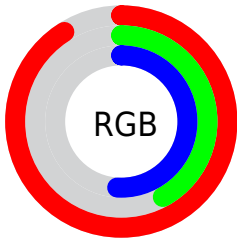
Format	Color
R <sub>Y</sub> B	231, 106, 131
Decimal	15166083
CIE Lab	60.72, 50.75, 10.09
CIE LCh	61, 51.742, 11.244
Yxy	28.9357, 0.4398, 0.3015
Android (android.graphics.Color)	4293356163 (0xFFE76A83)
YUV	146.2250, -7.5059, 74.3477
Hunter-Lab	53.7919, 45.9174, 10.2827

# Details

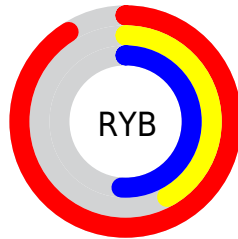
The RYB color **231, 106, 131** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **106, 175, 231**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **255, 161, 184**, and **171, 51, 82** is the 20% darker color. If you saturate the color by 10%, you get **231, 83, 113**, and if you desaturate by 10%, it is **231, 129, 149**.

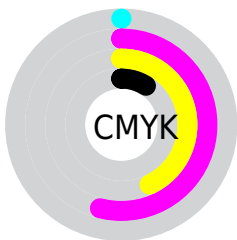
# Distribution



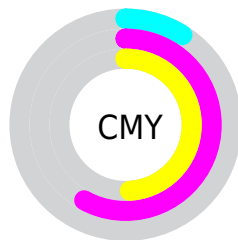
- Red (91%)
- Green (42%)
- Blue (51%)



- Red (91%)
- Yellow (42%)
- Blue (51%)



- Cyan (0%)
- Magenta (54%)
- Yellow (43%)
- Black (9%)




- Cyan (9%)
- Magenta (58%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 231, 106, 131 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 231, 106, 131 by changing the saturation by 10% instead.




 231, 106, 131

 231, 106, 131

255, 255, 255

 201, 79, 106

 255, 161, 184

 171, 51, 82

 255, 189, 211

 142, 19, 59

 255, 218, 240

 113, 0, 38


 255, 247, 255


 85, 0, 17


 59, 0, 2


 23, 0, 0


 0, 0, 0


 231, 106, 131


 231, 106, 131


 231, 83, 113


 231, 129, 149


 231, 60, 94


 231, 152, 168


 231, 37, 76

 231, 175, 186

 231, 14, 57

 231, 198, 205

 231, 0, 46

 231, 222, 223

 231, 239, 245

 231, 243, 255

# Harmonies

## Analogous

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



215, 111, 177



231, 106, 131



223, 123, 88

# Triad

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



231, 106, 131



74, 161, 129



0, 95, 233

# Complementary

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



231, 106, 131



106, 175, 231

# 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, 92, 206



231, 106, 131



4, 101, 167

# Square

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



231, 106, 131



57, 156, 51



0, 86, 169



95, 132, 236

# Rectangle

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



231, 106, 131



206, 177, 66



0, 86, 169



0, 94, 226



# Sweetspot

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



231, 106, 131



255, 214, 222



206, 106, 231



128, 103, 108



0, 0, 0



128, 128, 128



# Same Dimension

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



231, 106, 131



255, 89, 122



231, 161, 106



115, 103, 106



179, 0, 36



51, 0, 10



# Inverse Universe

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



231, 106, 131



255, 89, 122



106, 157, 231



115, 103, 106



179, 0, 36



51, 0, 10



# Previews

## White Background



This preview shows how the RYB color 231, 106, 131 looks on a white background.

## Color Contrast Check

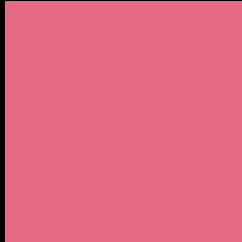
Large Text (above 18pt) WCAG AA ✓ Pass

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 231, 106, 131 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 231, 106, 131 Background**



This preview shows how black text looks on a background with the RYB color 231, 106, 131.




This preview shows how white text looks on a background with the RYB color 231, 106, 131.

# 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**  
230, 109, 116

# Trichromacy



**Original Color**

231, 106, 131



**Protanomaly**

178, 131, 145



**Deuteranomaly**

192, 128, 127



**Tritanomaly**

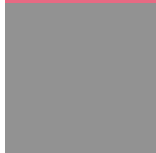
230, 108, 121

# Monochromacy



**Original Color**

231, 106, 131



**Achromatopsia**

146, 146, 146



**Achromatomaly**

177, 131, 141

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 231, 106, 131 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(231, 106, 131) looks like.

```
.text, #text, p{  
    color:rgb(231, 106, 131)  
}
```

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(231, 106, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 106, 131) }
```

## Border

The CSS property to change the border of an element to RYB 231, 106, 131 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(231, 106, 131) }
```

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

```
.border{ border-color:rgb(231, 106, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 106, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 106, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 106, 131);  
box-shadow:4px 4px 4px 4px rgb(231, 106,  
131) }
```

# Background

The CSS property to change the background color of an element to RGB 231, 106, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 106, 131) }
```

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

```
.background{ background-color: rgb(231,  
106, 131) }
```

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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