

Converting Colors

`RYB(131, 100, 224)`

Have a look what the booklet for
RYB(131, 100, 224) contains.

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Color

R_YB(131, 100, 224)

Conversions

Conversions Part 1

Format	Color
Hex	8364E0
RGB	131, 100, 224
RGB Percent	51%, 39%, 88%
CMY	0.4863, 0.6078, 0.1216
CMYK	0.42, 0.55, 0.00, 0.12
HSL	255°, 67%, 64%
HSV	255°, 55%, 88%
XYZ	27.3718, 19.3215, 72.8078
YIQ	123.4050, -21.3280, 45.1360

Conversions

Conversions Part 2

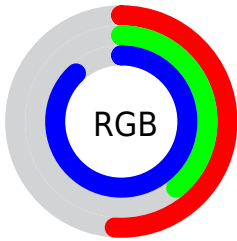
Format	Color
R _Y B	131, 100, 224
Decimal	8611040
CIE Lab	51.06, 41.13, -59.27
CIE LCh	51, 72.141, 304.758
Yxy	19.3215, 0.2291, 0.1617
Android (android.graphics.Color)	4286801120 (0xFF8364E0)
YUV	123.4050, 49.5933, 6.6608
Hunter-Lab	43.9562, 34.2298, -67.4370

Details

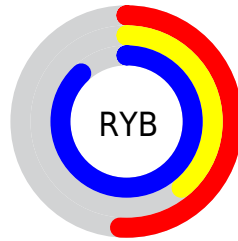
The RYB color **131, 100, 224** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **100, 224, 131**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **189, 152, 255**, and **73, 52, 168** is the 20% darker color. If you saturate the color by 10%, you get **114, 78, 224**, and if you desaturate by 10%, it is **148, 122, 224**.

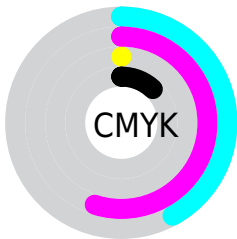
Distribution



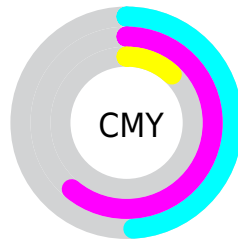
- Red (51%)
- Green (39%)
- Blue (88%)



- Red (51%)
- Yellow (39%)
- Blue (88%)



- Cyan (42%)
- Magenta (55%)
- Yellow (0%)
- Black (12%)




- Cyan (49%)
- Magenta (61%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 131, 100, 224 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 131, 100, 224 by changing the saturation by 10% instead.

 131, 100, 224


255, 255, 255

 189, 152, 255

 218, 179, 255

 248, 207, 255

 255, 235, 255

 131, 100, 224

 102, 75, 196

 73, 52, 168

 42, 29, 141

 0, 5, 115

 0, 0, 89

 0, 5, 65

 0, 3, 42

 0, 1, 20

 0, 0, 0

■ 131, 100, 224

■ 131, 100, 224

■ 114, 78, 224

■ 148, 122, 224

■ 97, 55, 224

■ 165, 145, 224

■ 81, 33, 224

■ 181, 167, 224

■ 64, 10, 224

■ 198, 190, 224

■ 56, 0, 224

■ 215, 212, 224

■ 224, 234, 226

■ 224, 255, 230

■ 224, 255, 224

Harmonies

Analogous

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



0, 84, 246



131, 100, 224



201, 65, 175

Triad

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



131, 100, 224



173, 188, 0



0, 79, 148

Complementary

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



131, 100, 224



100, 224, 131

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, 100, 145



131, 100, 224



19, 139, 0

Square

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



131, 100, 224



220, 66, 55



0, 137, 64



0, 83, 191

Rectangle

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



131, 100, 224



223, 45, 135



0, 137, 64



0, 86, 148

Sweetspot

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



131, 100, 224



222, 212, 255



100, 153, 224



108, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



131, 100, 224



129, 87, 255



193, 100, 224



104, 101, 112



44, 0, 176



12, 0, 48

Inverse Universe

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



224, 100, 193



255, 87, 213



100, 224, 193



112, 101, 109



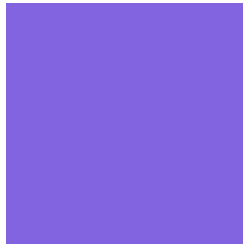
176, 0, 132



48, 0, 36

Previews

White Background



This preview shows how the RYB color 131, 100, 224 looks on a white background.

Color Contrast Check

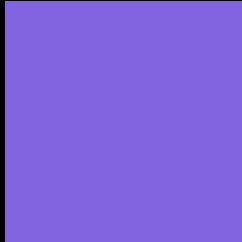
Large Text (above 18pt) WCAG AA ✓ Pass

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 131, 100, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

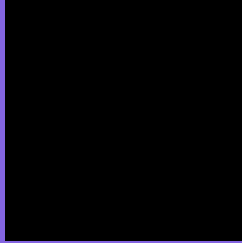
Any Text WCAG AA ✓ Pass

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 131, 100, 224 Background



This preview shows how black text looks on a background with the RYB color 131, 100, 224.

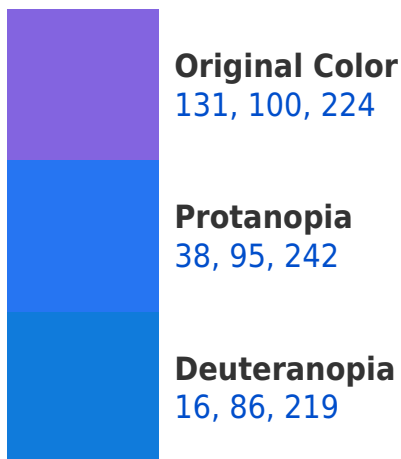


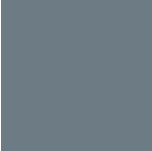
This preview shows how white text looks on a background with the RYB color 131, 100, 224.

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
109, 118, 133

Trichromacy



Original Color

131, 100, 224



Protanomaly

72, 103, 235



Deuteranomaly

58, 100, 221



Tritanomaly

117, 115, 166

Monochromacy



Original Color

131, 100, 224



Achromatopsia

123, 123, 123



Achromatomaly

126, 115, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 100, 224 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(131, 100, 224)` looks like.

```
.text, #text, p{  
  color:rgb(131, 100, 224)  
}
```

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(131, 100, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 100, 224) }
```

Border

The CSS property to change the border of an element to RYB 131, 100, 224 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(131, 100, 224) }
```

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

```
.border{ border-color:rgb(131, 100, 224) }
```

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

Here you see how a box with a 4 pixel rgb(131, 100, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 100, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 100, 224);  
box-shadow:4px 4px 4px 4px rgb(131, 100,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 131, 100, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 100, 224) }
```

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

```
.background{ background-color: rgb(131,  
100, 224) }
```

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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