

# Converting Colors

`RYB(163, 145, 225)`

Have a look what the booklet for RYB(163, 145, 225) contains.

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# Color

**R<sub>Y</sub>B(163, 145, 225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A391E1
RGB	163, 145, 225
RGB Percent	64%, 57%, 88%
CMY	0.3608, 0.4314, 0.1176
CMYK	0.28, 0.36, 0.00, 0.12
HSL	253°, 57%, 73%
HSV	253°, 36%, 88%
XYZ	38.8203, 33.4736, 75.6492
YIQ	159.5020, -14.9520, 28.6960

# Conversions

## Conversions Part 2

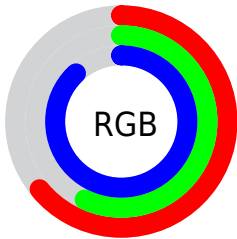
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 145, 225
Decimal	10719713
CIE <sub>Lab</sub>	64.54, 23.81, -38.27
CIE <sub>LCh</sub>	65, 45.072, 301.885
Yxy	33.4736, 0.2624, 0.2263
Android (android.graphics.Color)	4288909793 (0xFFA391E1)
YUV	159.5020, 32.2905, 3.0677
Hunter-Lab	57.8563, 18.5207, -37.0243

# Details

The RYB color **163, 145, 225** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **145, 225, 163**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **219, 199, 255**, and **109, 94, 169** is the 20% darker color. If you saturate the color by 10%, you get **146, 123, 225**, and if you desaturate by 10%, it is **180, 168, 225**.

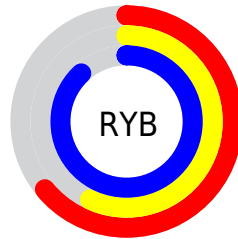
# Distribution



Red (64%)

Green (57%)

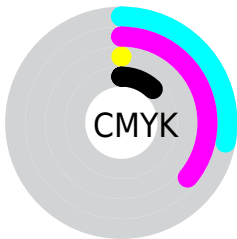
Blue (88%)



Red (64%)

Yellow (57%)

Blue (88%)

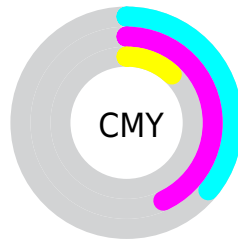


Cyan (28%)

Magenta (36%)

Yellow (0%)

Black (12%)



Cyan (36%)

Magenta (43%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 163, 145, 225 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 163, 145, 225 by changing the saturation by 10% instead.



■ 163, 145, 225

255, 255, 255

■ 219, 199, 255

■ 248, 227, 255

■ 163, 145, 225

■ 136, 119, 197

■ 109, 94, 169

■ 83, 71, 143

■ 57, 48, 117

■ 31, 27, 92

■ 0, 4, 68


■ 0, 3, 45


■ 0, 1, 23

■ 0, 0, 0

 163, 145, 225


 163, 145, 225

 146, 123, 225

 180, 168, 225

 128, 100, 225

 198, 190, 225

 111, 78, 225

 215, 212, 225

 93, 55, 225


 225, 235, 227

 76, 32, 225

 225, 255, 230

 58, 10, 225

 225, 255, 225

 51, 0, 225

# Harmonies

## Analogous

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



92, 138, 237



163, 145, 225



209, 130, 195

# Triad

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



163, 145, 225



211, 184, 86



0, 94, 177

# Complementary

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



163, 145, 225



145, 225, 163

# 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.



85, 150, 174



163, 145, 225



104, 178, 74

# Square

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



163, 145, 225



230, 129, 116



86, 167, 116



0, 93, 198

# Rectangle

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



163, 145, 225



226, 124, 169



86, 167, 116



25, 110, 177



# Sweetspot

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



163, 145, 225



233, 227, 255



145, 180, 225



115, 111, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



163, 145, 225



170, 145, 255



202, 145, 225



104, 101, 112



40, 0, 176



11, 0, 48



# Inverse Universe

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



225, 145, 207



255, 145, 230



145, 225, 202



112, 101, 110



176, 0, 136

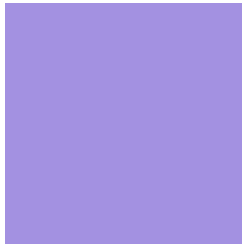


48, 0, 38



# Previews

## White Background



This preview shows how the RYB color 163, 145, 225 looks on a white background.

## Color Contrast Check

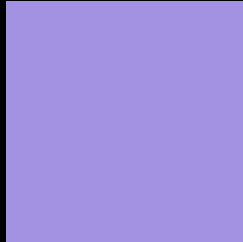
Large Text (above 18pt) WCAG AA × Fail

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 163, 145, 225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

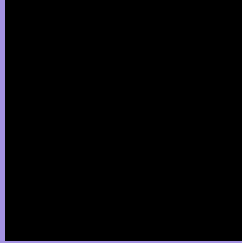
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 163, 145, 225 Background**



This preview shows how black text looks on a background with the RYB color 163, 145, 225.

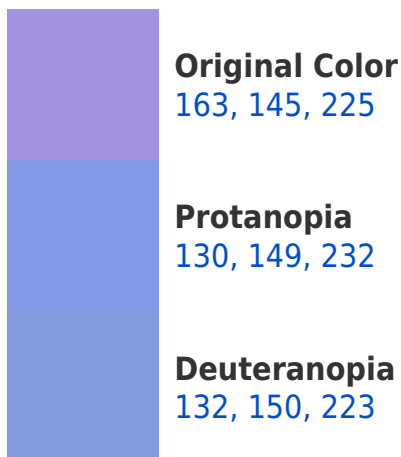


This preview shows how white text looks on a background with the RYB color 163, 145, 225.

# 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**  
152, 155, 169

# Trichromacy



**Original Color**  
163, 145, 225

**Protanomaly**  
142, 150, 229

**Deuteranomaly**  
143, 150, 224

**Tritanomaly**  
156, 152, 189

# Monochromacy



**Original Color**  
163, 145, 225

**Achromatopsia**  
160, 160, 160

**Achromatomaly**  
161, 155, 184

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 163, 145, 225 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(163, 145, 225)` looks like.

```
.text, #text, p{  
    color:rgb(163, 145, 225)  
}
```

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(163, 145, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 145, 225) }
```

## Border

The CSS property to change the border of an element to RYB 163, 145, 225 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(163, 145, 225) }
```

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

```
.border{ border-color:rgb(163, 145, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 145, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 145, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 145, 225);  
box-shadow:4px 4px 4px 4px rgb(163, 145,  
225) }
```

# Background

The CSS property to change the background color of an element to RYB 163, 145, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 145, 225) }
```

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

```
.background{ background-color: rgb(163,  
145, 225) }
```

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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