

Converting Colors

`RYB(163, 145, 177)`

Have a look what the booklet for RYB(163, 145, 177) contains.

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Color

R_YB(163, 145, 177)

Conversions

Conversions Part 1

Format	Color
Hex	A391B1
RGB	163, 145, 177
RGB Percent	64%, 57%, 69%
CMY	0.3608, 0.4314, 0.3059
CMYK	0.08, 0.18, 0.00, 0.31
HSL	274°, 17%, 63%
HSV	274°, 18%, 69%
XYZ	33.1655, 31.2117, 45.8714
YIQ	154.0300, 0.4560, 13.7680

Conversions

Conversions Part 2

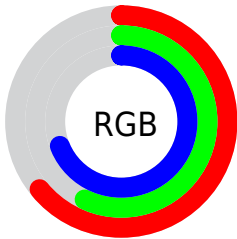
Format	Color
RYB	163, 145, 177
Decimal	10719665
CIELab	62.69, 12.84, -14.27
CIElCh	63, 19.196, 312.000
Yxy	31.2117, 0.3008, 0.2831
Android (android.graphics.Color)	4288909745 (0xFFA391B1)
YUV	154.0300, 11.3242, 7.8667
Hunter-Lab	55.8674, 8.1979, -9.5745

Details

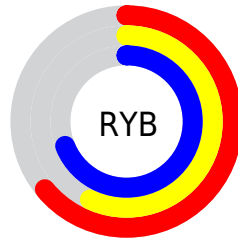
The RYB color **163, 145, 177** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **145, 177, 163**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **218, 199, 233**, and **111, 95, 124** is the 20% darker color. If you saturate the color by 10%, you get **155, 127, 177**, and if you desaturate by 10%, it is **171, 163, 177**.

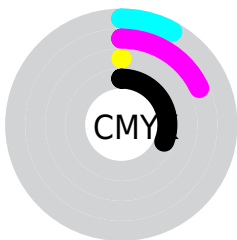
Distribution



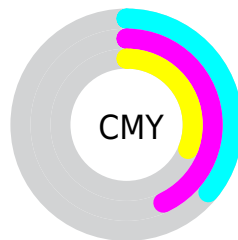
- Red (64%)
- Green (57%)
- Blue (69%)



- Red (64%)
- Yellow (57%)
- Blue (69%)



- Cyan (8%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (43%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the RYB color 163, 145, 177 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, 177 by changing the saturation by 10% instead.


 163, 145, 177


255, 255, 255

 218, 199, 233

 247, 227, 255


 163, 145, 177

 137, 119, 150

 111, 95, 124

 87, 71, 99

 63, 48, 75

 41, 27, 53

 22, 1, 32

 0, 0, 4

 0, 0, 0

 163, 145, 177

 163, 145, 177

■ 155, 127, 177

■ 171, 163, 177

■ 148, 110, 177

■ 177, 180, 179

■ 140, 92, 177

■ 177, 198, 189

■ 132, 74, 177

■ 177, 216, 199

■ 124, 57, 177

■ 177, 233, 208

■ 117, 39, 177

■ 177, 251, 219

■ 109, 21, 177

■ 177, 255, 215

■ 101, 3, 177

■ 177, 255, 207

■ 100, 0, 177

■ 177, 255, 199

Harmonies

Analogous

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



141, 149, 185



163, 145, 177



179, 141, 163

Triad

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



163, 145, 177



174, 174, 120



107, 135, 161

Complementary

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



163, 145, 177



145, 177, 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.



120, 147, 161



163, 145, 177



124, 158, 118

Square

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



163, 145, 177



185, 145, 130



126, 158, 146



106, 136, 174

Rectangle

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



163, 145, 177



185, 140, 151



126, 158, 146



110, 138, 161

Sweetspot

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



163, 145, 177



224, 218, 230



145, 155, 177



112, 108, 115



242, 242, 242



115, 115, 115

Same Dimension

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



163, 145, 177



207, 179, 230



177, 145, 175



85, 80, 89



86, 0, 153



14, 0, 26

Inverse Universe

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



177, 145, 159



230, 179, 201



145, 175, 177



89, 80, 84



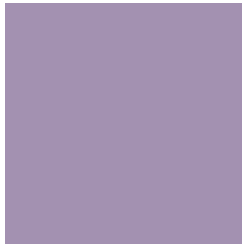
153, 0, 67



26, 0, 11

Previews

White Background



This preview shows how the RYB color 163, 145, 177 looks on a white background.

Color Contrast Check

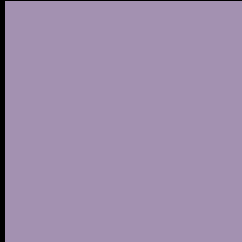
Large Text (above 18pt) WCAG AA × Fail

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, 177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

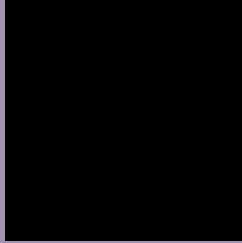
Any Text WCAG AA ✓ Pass

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, 177 Background



This preview shows how black text looks on a background with the RYB color 163, 145, 177.



This preview shows how white text looks on a background with the RYB color 163, 145, 177.

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
163, 145, 177

Protanopia
145, 149, 181

Deuteranopia
155, 148, 176



Tritanopia
160, 148, 160

Trichromacy



Original Color
163, 145, 177

Protanomaly
152, 148, 180

Deuteranomaly
158, 147, 176

Tritanomaly
161, 147, 166

Monochromacy



Original Color
163, 145, 177

Achromatopsia
154, 154, 154

Achromatomaly
157, 151, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 145, 177 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(163, 145, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 145, 177) }
```

Border

The CSS property to change the border of an element to RYB 163, 145, 177 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, 177) }
```

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

```
.border{ border-color:rgb(163, 145, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 145, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 145, 177);  
box-shadow:4px 4px 4px 4px rgb(163, 145,  
177) }
```

Background

The CSS property to change the background color of an element to RYB 163, 145, 177 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, 177) }
```

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

```
.background{ background-color: rgb(163,  
145, 177) }
```

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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