

Converting Colors

`RYB(193, 157, 218)`

Have a look what the booklet for RYB(193, 157, 218) contains.

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Color

R_YB(193, 157, 218)

Conversions

Conversions Part 1

Format	Color
Hex	C19DDA
RGB	193, 157, 218
RGB Percent	76%, 62%, 85%
CMY	0.2431, 0.3843, 0.1451
CMYK	0.11, 0.28, 0.00, 0.15
HSL	275°, 45%, 74%
HSV	275°, 28%, 85%
XYZ	46.7042, 40.5134, 71.6879
YIQ	174.7180, 1.8750, 26.6030

Conversions

Conversions Part 2

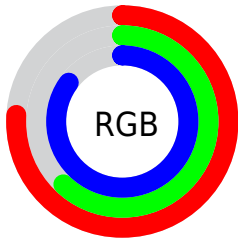
Format	Color
RYB	193, 157, 218
Decimal	12688858
CIELab	69.83, 24.58, -26.00
CIELCh	70, 35.783, 313.395
Yxy	40.5134, 0.2939, 0.2550
Android (android.graphics.Color)	4290878938 (0xFFC19DDA)
YUV	174.7180, 21.3380, 16.0333
Hunter-Lab	63.6501, 19.5893, -22.2222

Details

The RYB color **193, 157, 218** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **157, 218, 193**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **250, 212, 255**, and **139, 105, 163** is the 20% darker color. If you saturate the color by 10%, you get **184, 135, 218**, and if you desaturate by 10%, it is **202, 179, 218**.

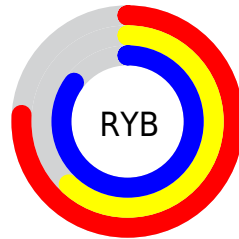
Distribution



Red (76%)

Green (62%)

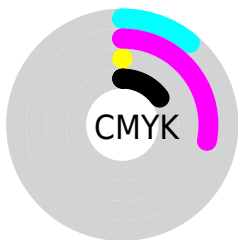
Blue (85%)



Red (76%)

Yellow (62%)

Blue (85%)

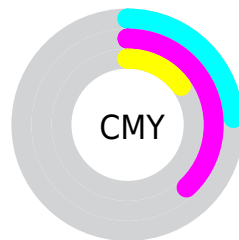


Cyan (11%)

Magenta (28%)

Yellow (0%)

Black (15%)



Cyan (24%)

Magenta (38%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 193, 157, 218 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 193, 157, 218 by changing the saturation by 10% instead.


 193, 157, 218

255, 255, 255

 250, 212, 255

 255, 240, 255

 193, 157, 218


 166, 131, 190

 139, 105, 163

 113, 81, 136

 88, 57, 111

 63, 35, 86

 40, 13, 63

 23, 0, 41

 0, 1, 18

 0, 0, 0

193, 157, 218

193, 157, 218

184, 135, 218

202, 179, 218

175, 113, 218

211, 201, 218

166, 92, 218

218, 222, 220

157, 70, 218

218, 244, 233

148, 48, 218

218, 255, 235

139, 26, 218

218, 255, 226

130, 4, 218

218, 255, 218

129, 0, 218

Harmonies

Analogous

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



148, 165, 234



193, 157, 218



223, 148, 190

Triad

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



193, 157, 218



195, 208, 109



61, 125, 188

Complementary

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



193, 157, 218



157, 218, 193

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.



102, 156, 187



193, 157, 218



112, 178, 107

Square

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



193, 157, 218



228, 160, 127



122, 182, 162



49, 124, 214

Rectangle

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



193, 157, 218



233, 146, 168



122, 182, 162



74, 135, 188

Sweetspot

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



193, 157, 218



247, 235, 255



157, 175, 218



122, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



193, 157, 218



219, 168, 255



218, 157, 213



105, 99, 110



102, 0, 173



27, 0, 46

Inverse Universe

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



218, 157, 182



255, 168, 204



157, 213, 218



110, 99, 103



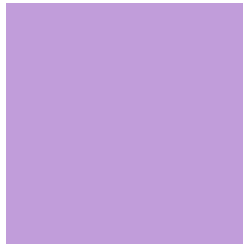
173, 0, 71



46, 0, 19

Previews

White Background



This preview shows how the RYB color 193, 157, 218 looks on a white background.

Color Contrast Check

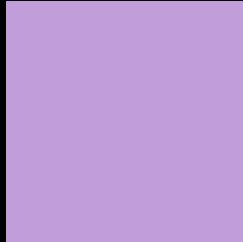
Large Text (above 18pt) WCAG AA × Fail

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 193, 157, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

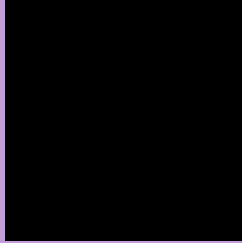
Any Text WCAG AA ✓ Pass

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 193, 157, 218 Background



This preview shows how black text looks on a background with the RYB color 193, 157, 218.



This preview shows how white text looks on a background with the RYB color 193, 157, 218.

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
193, 157, 218

Protanopia
155, 167, 227

Deuteranopia
164, 168, 216



Tritanopia
187, 165, 178

Trichromacy



Original Color
193, 157, 218

Protanomaly
169, 165, 224

Deuteranomaly
175, 164, 217

Tritanomaly
189, 162, 193

Monochromacy



Original Color
193, 157, 218

Achromatopsia
175, 175, 175

Achromatomaly
182, 168, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 193, 157, 218 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(193, 157, 218) looks like.

```
.text, #text, p{  
    color:rgb(193, 157, 218)  
}
```

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(193, 157, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 157, 218) }
```

Border

The CSS property to change the border of an element to RYB 193, 157, 218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

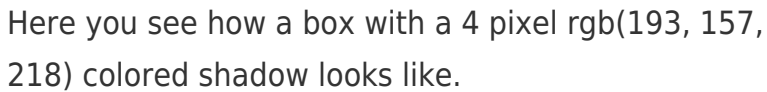
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 157, 218) }
```

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

```
.border{ border-color:rgb(193, 157, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 157, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 157, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 157, 218);  
box-shadow:4px 4px 4px 4px rgb(193, 157,  
218) }
```

Background

The CSS property to change the background color of an element to RYB 193, 157, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 157, 218) }
```

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

```
.background{ background-color: rgb(193,  
157, 218) }
```

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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