

Converting Colors

`RYB(196, 153, 180)`

Have a look what the booklet for
RYB(196, 153, 180) contains.

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Color

R_YB(196, 153, 180)

Conversions

Conversions Part 1

Format	Color
Hex	C499B4
RGB	196, 153, 180
RGB Percent	77%, 60%, 71%
CMY	0.2314, 0.4000, 0.2941
CMYK	0.00, 0.22, 0.08, 0.23
HSL	322°, 27%, 68%
HSV	322°, 22%, 77%
XYZ	42.3944, 37.8135, 48.2443
YIQ	168.9350, 16.9610, 17.5130

Conversions

Conversions Part 2

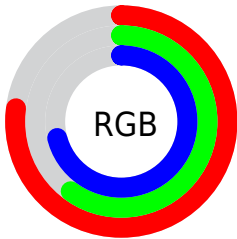
Format	Color
RYB	196, 153, 180
Decimal	12884404
CIELab	67.88, 20.46, -7.85
CIElCh	68, 21.915, 339.019
Yxy	37.8135, 0.3300, 0.2944
Android (android.graphics.Color)	4291074484 (0xFFC499B4)
YUV	168.9350, 5.4550, 23.7360
Hunter-Lab	61.4927, 15.4496, -3.4713

Details

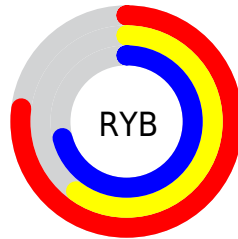
The RYB color **196, 153, 180** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **153, 184, 196**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **253, 208, 236**, and **142, 102, 127** is the 20% darker color. If you saturate the color by 10%, you get **196, 133, 173**, and if you desaturate by 10%, it is **196, 173, 187**.

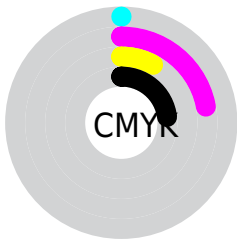
Distribution



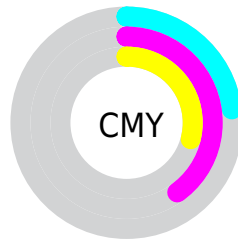
- Red (77%)
- Green (60%)
- Blue (71%)



- Red (77%)
- Yellow (60%)
- Blue (71%)



- Cyan (0%)
- Magenta (22%)
- Yellow (8%)
- Black (23%)



- Cyan (23%)
- Magenta (40%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 153, 180 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 196, 153, 180 by changing the saturation by 10% instead.

 196, 153, 180


255, 255, 255


 253, 208, 236


 255, 236, 255

 196, 153, 180

 169, 127, 153


 142, 102, 127

 116, 77, 102

 91, 54, 78

 67, 32, 55

 44, 11, 34


 21, 0, 11


 0, 0, 0

 196, 153, 180


 196, 153, 180

 196, 133, 173


 196, 173, 187

 196, 114, 165


 196, 192, 195

 196, 94, 158

 196, 208, 212

 196, 75, 151


 196, 222, 231

 196, 55, 144

 196, 236, 251

 196, 35, 136

 196, 236, 255

 196, 16, 129

 196, 233, 255

 196, 0, 123

 196, 230, 255

 196, 228, 255

Harmonies

Analogous

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



176, 158, 196



196, 153, 180



206, 151, 160

Triad

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



196, 153, 180



136, 174, 126



110, 146, 190

Complementary

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



196, 153, 180



153, 184, 196

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.



113, 147, 177



196, 153, 180



134, 172, 154

Square

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



196, 153, 180



193, 185, 129



130, 161, 175



125, 154, 202

Rectangle

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



196, 153, 180



206, 154, 147



130, 161, 175



109, 144, 184

Sweetspot

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



196, 153, 180



255, 237, 248



169, 153, 196



128, 117, 124



0, 0, 0



128, 128, 128

Same Dimension

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



196, 153, 180



255, 189, 230



196, 153, 159



97, 87, 93



161, 0, 101



33, 0, 21

Inverse Universe

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



196, 153, 180



255, 189, 230



153, 176, 196



97, 87, 93



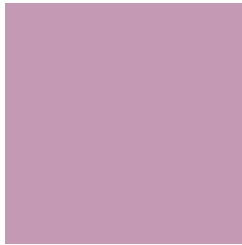
161, 0, 101



33, 0, 21

Previews

White Background



This preview shows how the RYB color 196, 153, 180 looks on a white background.

Color Contrast Check

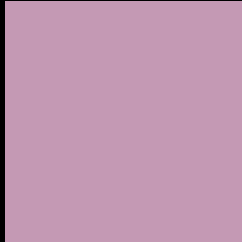
Large Text (above 18pt) WCAG AA × Fail

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 196, 153, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

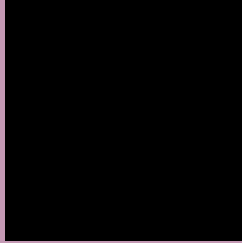
Any Text WCAG AA ✓ Pass

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 196, 153, 180 Background



This preview shows how black text looks on a background with the RYB color 196, 153, 180.



This preview shows how white text looks on a background with the RYB color 196, 153, 180.

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
196, 153, 180

Protanopia
162, 164, 187

Deuteranopia
176, 161, 178



Tritanopia
194, 155, 167

Trichromacy



Original Color
196, 153, 180

Protanomaly
174, 160, 184

Deuteranomaly
183, 158, 179

Tritanomaly
195, 154, 172

Monochromacy



Original Color
196, 153, 180

Achromatopsia
169, 169, 169

Achromatomaly
179, 163, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 153, 180 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(196, 153, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 153, 180)  
}
```

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(196, 153, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 153, 180) }
```

Border

The CSS property to change the border of an element to RYB 196, 153, 180 is called "border". The border property can be set on classes, ids or directly on the HTML element.

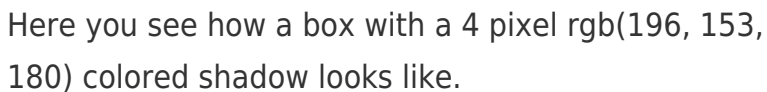
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 153, 180) }
```

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

```
.border{ border-color:rgb(196, 153, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 153, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 153, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 153, 180); box-shadow:4px 4px 4px 4px rgb(196, 153, 180) }
```

Background

The CSS property to change the background color of an element to RYB 196, 153, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 153, 180) }
```

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

```
.background{ background-color: rgb(196,  
153, 180) }
```

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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