

Converting Colors

`RYB(183, 172, 255)`

Have a look what the booklet for RYB(183, 172, 255) contains.

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Color

R_YB(183, 172, 255)

Conversions

Conversions Part 1

Format	Color
Hex	B7ACFF
RGB	183, 172, 255
RGB Percent	72%, 67%, 100%
CMY	0.2824, 0.3255, 0.0000
CMYK	0.28, 0.33, 0.00, 0.00
HSL	248°, 100%, 84%
HSV	248°, 33%, 100%
XYZ	52.3310, 46.7923, 100.8814
YIQ	184.7510, -20.0870, 28.1450

Conversions

Conversions Part 2

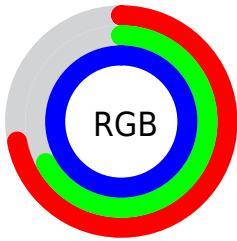
Format	Color
RYB	183, 172, 255
Decimal	12037375
CIELab	74.06, 21.63, -39.71
CIELCh	74, 45.214, 298.579
Yxy	46.7923, 0.2616, 0.2340
Android (android.graphics.Color)	4290227455 (0xFFB7ACFF)
YUV	184.7510, 34.6328, -1.5356
Hunter-Lab	68.4049, 16.8470, -39.5556

Details

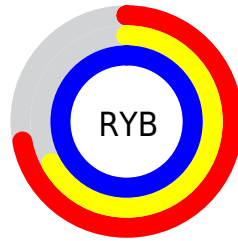
The RYB color **183, 172, 255** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **172, 255, 183**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **240, 227, 255**, and **128, 120, 198** is the 20% darker color. If you saturate the color by 10%, you get **161, 147, 255**, and if you desaturate by 10%, it is **205, 198, 255**.

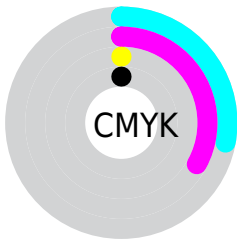
Distribution



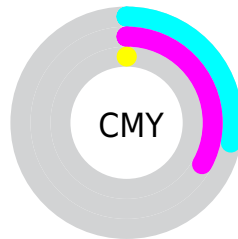
- Red (72%)
- Green (67%)
- Blue (100%)



- Red (72%)
- Yellow (67%)
- Blue (100%)



- Cyan (28%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 183, 172, 255 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 183, 172, 255 by changing the saturation by 10% instead.

■ 183, 172, 255

255, 255, 255

■ 240, 227, 255

■ 183, 172, 255

■ 155, 145, 226

■ 128, 120, 198

■ 101, 95, 170

■ 75, 71, 144

■ 48, 49, 118

■ 19, 27, 92


■ 0, 5, 68

■ 0, 3, 45

■ 0, 1, 24

 183, 172, 255

 183, 172, 255

 161, 147, 255

 205, 198, 255

 139, 121, 255

 227, 223, 255


 117, 96, 255

 249, 249, 255

 95, 70, 255

255, 255, 255

 72, 45, 255

 50, 19, 255

 34, 0, 255

Harmonies

Analogous

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



112, 161, 255



183, 172, 255



232, 157, 226

Triad

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



183, 172, 255



243, 198, 112



45, 131, 204

Complementary

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



183, 172, 255



172, 255, 183

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.



117, 184, 200



183, 172, 255



141, 210, 98

Square

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



183, 172, 255



255, 152, 145



107, 191, 130



0, 106, 220

Rectangle

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



183, 172, 255



252, 150, 200



107, 191, 130



75, 151, 203

Sweetspot

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



183, 172, 255



233, 230, 255



172, 211, 255



114, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



183, 172, 255



169, 156, 255



223, 172, 255



116, 115, 128



25, 0, 191



8, 0, 64

Inverse Universe

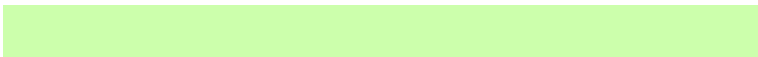
The Inverse Universe completely reimagines the original color for something new.



255, 172, 244



255, 156, 242



172, 255, 223



128, 115, 126



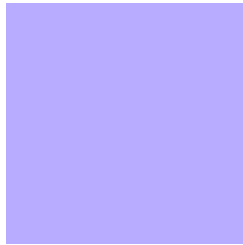
191, 0, 166



64, 0, 55

Previews

White Background



This preview shows how the RYB color 183, 172, 255 looks on a white background.

Color Contrast Check

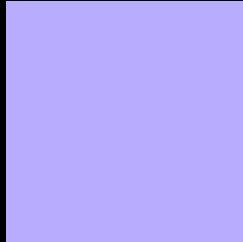
Large Text (above 18pt) WCAG AA × Fail

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 183, 172, 255 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 183, 172, 255 Background



This preview shows how black text looks on a background with the RYB color 183, 172, 255.



This preview shows how white text looks on a background with the RYB color 183, 172, 255.

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](#).

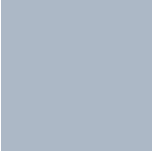
Dichromacy



Original Color
183, 172, 255

Protanopia
158, 175, 255

Deuteranopia
158, 176, 253



Tritanopia
172, 180, 198

Trichromacy



Original Color
183, 172, 255

Protanomaly
167, 175, 255

Deuteranomaly
167, 176, 254

Tritanomaly
176, 179, 219

Monochromacy



Original Color
183, 172, 255

Achromatopsia
185, 185, 185

Achromatomaly
184, 180, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 183, 172, 255 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(183, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 172, 255)  
}
```

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(183, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 172, 255) }
```

Border

The CSS property to change the border of an element to RYB 183, 172, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

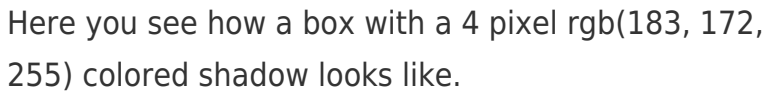
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 172, 255) }
```

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

```
.border{ border-color:rgb(183, 172, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 172, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 172, 255); box-shadow:4px 4px 4px 4px rgb(183, 172, 255) }
```

Background

The CSS property to change the background color of an element to RYB 183, 172, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 172, 255) }
```

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

```
.background{ background-color: rgb(183,  
172, 255) }
```

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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