

Converting Colors

`RYB(172, 172, 252)`

Have a look what the booklet for
RYB(172, 172, 252) contains.

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Color

`RYB(172, 172, 252)`

Conversions

Conversions Part 1

Format	Color
Hex	ACACFC
RGB	172, 172, 252
RGB Percent	67%, 67%, 99%
CMY	0.3255, 0.3255, 0.0118
CMYK	0.32, 0.32, 0.00, 0.01
HSL	240°, 93%, 83%
HSV	240°, 32%, 99%
XYZ	49.3365, 45.3040, 98.2397
YIQ	181.1200, -25.6800, 24.8800

Conversions

Conversions Part 2

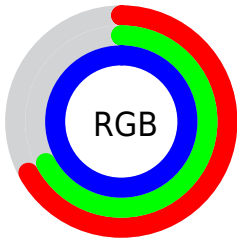
Format	Color
RYB	172, 172, 252
Decimal	11316476
CIELab	73.09, 17.82, -39.65
CIELCh	73, 43.472, 294.197
Yxy	45.3040, 0.2558, 0.2349
Android (android.graphics.Color)	4289506556 (0xFFACACFC)
YUV	181.1200, 34.9438, -7.9982
Hunter-Lab	67.3082, 13.0499, -39.4209

Details

The RYB color `172, 172, 252` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `172, 252, 172`, and the grayscale version is `181, 181, 181`.

A 20% lighter version of the original color is `229, 227, 255`, and `117, 120, 195` is the 20% darker color. If you saturate the color by 10%, you get `147, 147, 252`, and if you desaturate by 10%, it is `197, 197, 252`.

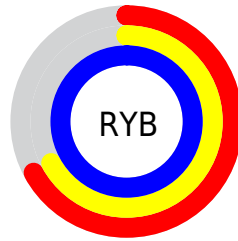
Distribution



Red (67%)

Green (67%)

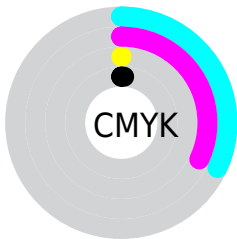
Blue (99%)



Red (67%)

Yellow (67%)

Blue (99%)

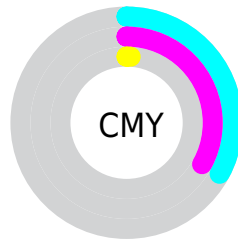


Cyan (32%)

Magenta (32%)

Yellow (0%)

Black (1%)



Cyan (33%)


Magenta (33%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 172, 252 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 172, 172, 252 by changing the saturation by 10% instead.


 172, 172, 252


255, 255, 255

 229, 227, 255

 172, 172, 252

 144, 145, 223

 117, 120, 195

 90, 95, 168

 64, 71, 141


 36, 47, 115

 0, 22, 90


 0, 4, 66

 0, 3, 43


 0, 1, 22

 172, 172, 252

 172, 172, 252

 147, 147, 252

 197, 197, 252

 122, 122, 252

 222, 222, 252

 96, 96, 252

 248, 248, 252

 71, 71, 252

252, 255, 252

 46, 46, 252

 21, 21, 252

 0, 0, 252

Harmonies

Analogous

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



102, 156, 255



172, 172, 252



222, 157, 227

Triad

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



172, 172, 252



241, 184, 116



65, 141, 200

Complementary

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



172, 172, 252



172, 252, 172

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.



125, 190, 196



172, 172, 252



156, 212, 99

Square

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



172, 172, 252



255, 150, 149



105, 187, 120



0, 103, 211

Rectangle

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



172, 172, 252



243, 150, 202



105, 187, 120



88, 157, 199

Sweetspot

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



172, 172, 252



230, 230, 255



172, 212, 252



112, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 172, 252



158, 158, 255



212, 172, 252



112, 112, 125



0, 0, 189



0, 0, 61

Inverse Universe

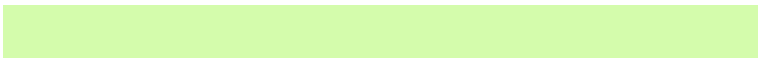
The Inverse Universe completely reimagines the original color for something new.



252, 172, 252



255, 158, 255



172, 252, 212



125, 112, 125



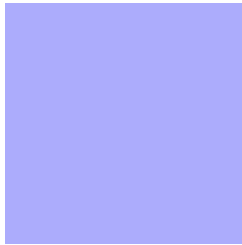
189, 0, 189



61, 0, 61

Previews

White Background



This preview shows how the RYB color 172, 172, 252 looks on a white background.

Color Contrast Check

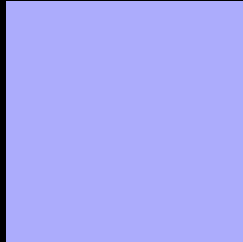
Large Text (above 18pt) WCAG AA × Fail

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 172, 172, 252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

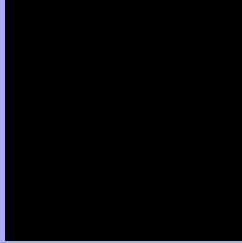
Any Text WCAG AA ✓ Pass

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 172, 172, 252 Background



This preview shows how black text looks on a background with the RYB color 172, 172, 252.



This preview shows how white text looks on a background with the RYB color 172, 172, 252.

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
172, 172, 252

Protanopia
155, 173, 255

Deuteranopia
154, 173, 251



Tritanopia
160, 174, 197

Trichromacy



Original Color
172, 172, 252

Protanomaly
161, 173, 254

Deuteranomaly
161, 173, 251

Tritanomaly
164, 176, 217

Monochromacy



Original Color
172, 172, 252

Achromatopsia
181, 181, 181

Achromatomaly
178, 178, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 172, 252 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(172, 172, 252)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 252)  
}
```

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(172, 172, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 252) }
```

Border

The CSS property to change the border of an element to RYB 172, 172, 252 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(172, 172, 252) }
```

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

```
.border{ border-color:rgb(172, 172, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 252);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
252) }
```

Background

The CSS property to change the background color of an element to RYB 172, 172, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 252) }
```

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

```
.background{ background-color: rgb(172,  
172, 252) }
```

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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