

Converting Colors

`RYB(175, 186, 237)`

Have a look what the booklet for
RYB(175, 186, 237) contains.

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Color

`RYB(175, 186, 237)`

Conversions

Conversions Part 1

Format	Color
Hex	AFBCED
RGB	175, 188, 237
RGB Percent	69%, 74%, 93%
CMY	0.3137, 0.2613, 0.0706
CMYK	0.26, 0.21, 0.00, 0.07
HSL	227°, 63%, 81%
HSV	227°, 26%, 93%
XYZ	51.0282, 51.3542, 87.3436
YIQ	189.6990, -23.4770, 12.4830

Conversions

Conversions Part 2

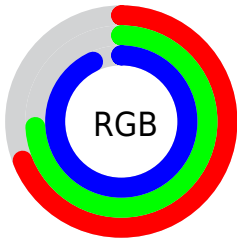
Format	Color
R_{YB}	175, 186, 237
Decimal	11517165
CIE _{Lab}	76.89, 5.97, -25.67
CIE _{LCh}	77, 26.357, 283.100
Yxy	51.3542, 0.2690, 0.2707
Android (android.graphics.Color)	4289707245 (0xFFAFBCED)
YUV	189.6990, 23.3194, -12.8910
Hunter-Lab	71.6619, 1.6960, -22.1012

Details

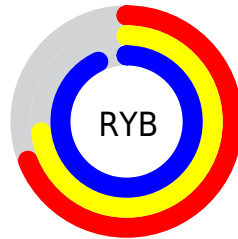
The RYB color **175, 186, 237** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **191, 237, 175**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **231, 239, 255**, and **121, 132, 181** is the 20% darker color. If you saturate the color by 10%, you get **151, 167, 237**, and if you desaturate by 10%, it is **199, 206, 237**.

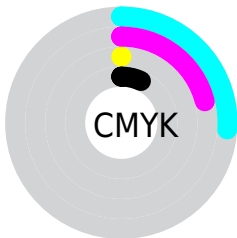
Distribution



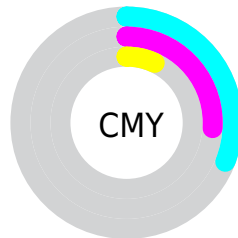
- Red (69%)
- Green (74%)
- Blue (93%)



- Red (69%)
- Yellow (73%)
- Blue (93%)



- Cyan (26%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)



- Cyan (31%)
- Magenta (26%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 186, 237 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 175, 186, 237 by changing the saturation by 10% instead.

■ 175, 186, 237

255, 255, 255

■ 231, 240, 255

■ 175, 186, 237

■ 148, 159, 209

■ 121, 132, 181

■ 95, 107, 154

■ 70, 83, 128

■ 45, 59, 103

■ 19, 35, 78

■ 0, 15, 55

■ 0, 2, 34

■ 0, 0, 7

■ 175, 186, 237

■ 175, 186, 237

■ 151, 167, 237

■ 199, 206, 237

■ 128, 147, 237

■ 222, 225, 237

■ 104, 128, 237

■ 240, 246, 237

■ 80, 108, 237

■ 237, 255, 237

■ 56, 88, 237

■ 33, 69, 237

■ 9, 49, 237

■ 0, 42, 237

Harmonies

Analogous

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



142, 176, 236



175, 186, 237



207, 180, 226

Triad

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



175, 186, 237



236, 181, 158



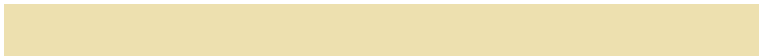
142, 182, 203

Complementary

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



175, 186, 237



191, 237, 175

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.



154, 198, 183



175, 186, 237



212, 220, 144

Square

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



175, 186, 237



240, 172, 180



148, 197, 142



122, 164, 204

Rectangle

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



175, 186, 237



224, 175, 212



148, 197, 142



151, 189, 201

Sweetspot

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



175, 186, 237



235, 238, 255



175, 210, 237



115, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



175, 186, 237



176, 190, 255



193, 175, 237



106, 108, 117



0, 32, 181



0, 10, 54

Inverse Universe

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



237, 175, 188



255, 176, 193



175, 237, 193



117, 106, 108



181, 0, 39



54, 0, 12

Previews

White Background



This preview shows how the RYB color 175, 186, 237 looks on a white background.

Color Contrast Check

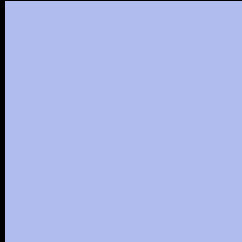
Large Text (above 18pt) WCAG AA × Fail

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 175, 186, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

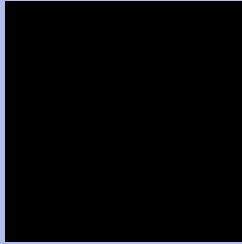
Any Text WCAG AA ✓ Pass

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 175, 186, 237 Background



This preview shows how black text looks on a background with the RYB color 175, 186, 237.



This preview shows how white text looks on a background with the RYB color 175, 186, 237.

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](#).

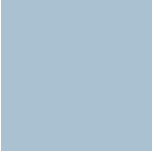
Dichromacy



Original Color
175, 186, 237

Protanopia
178, 187, 236

Deuteranopia
183, 186, 238



Tritanopia
169, 184, 209

Trichromacy



Original Color
175, 186, 237

Protanomaly
177, 186, 236

Deuteranomaly
180, 186, 238

Tritanomaly
171, 185, 219

Monochromacy



Original Color
175, 186, 237

Achromatopsia
190, 190, 190

Achromatomaly
185, 188, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 186, 237 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(175, 188, 237)` looks like.

```
.text, #text, p{  
    color:rgb(175, 188, 237)  
}
```

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(175, 188, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 188, 237) }
```

Border

The CSS property to change the border of an element to RYB 175, 186, 237 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(175, 188, 237) }
```

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

```
.border{ border-color:rgb(175, 188, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 188, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 188, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 188, 237);  
box-shadow:4px 4px 4px 4px rgb(175, 188,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 175, 186, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 188, 237) }
```

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

```
.background{ background-color: rgb(175,  
188, 237) }
```

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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