

Converting Colors

`RYB(163, 176, 241)`

Have a look what the booklet for
RYB(163, 176, 241) contains.

RYB(163, 176, 241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(163, 176, 241)

Conversions

Conversions Part 1

Format	Color
Hex	A3B3F1
RGB	163, 179, 241
RGB Percent	64%, 70%, 95%
CMY	0.3608, 0.2996, 0.0549
CMYK	0.32, 0.26, 0.00, 0.05
HSL	228°, 74%, 79%
HSV	228°, 32%, 95%
XYZ	47.0215, 46.2175, 89.6617
YIQ	181.2840, -29.4380, 15.8900

Conversions

Conversions Part 2

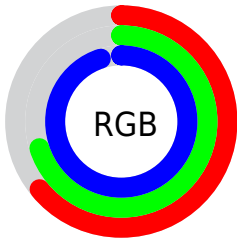
Format	Color
R_{YB}	163, 176, 241
Decimal	10728433
CIE _{Lab}	73.69, 8.87, -32.83
CIE _{LCh}	74, 34.007, 285.117
Yxy	46.2175, 0.2571, 0.2527
Android (android.graphics.Color)	4288918513 (0xFFA3B3F1)
YUV	181.2840, 29.4400, -16.0351
Hunter-Lab	67.9834, 4.4904, -30.6077

Details

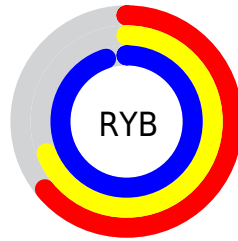
The RYB color **163, 176, 241** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **183, 241, 163**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **219, 230, 255**, and **109, 123, 185** is the 20% darker color. If you saturate the color by 10%, you get **139, 156, 241**, and if you desaturate by 10%, it is **187, 196, 241**.

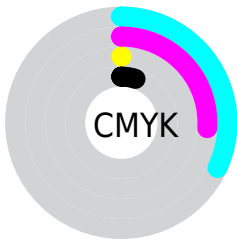
Distribution



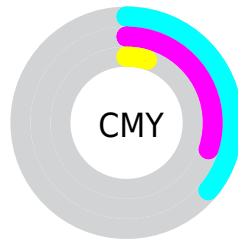
- Red (64%)
- Green (70%)
- Blue (95%)



- Red (64%)
- Yellow (69%)
- Blue (95%)



- Cyan (32%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (30%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 176, 241 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 163, 176, 241 by changing the saturation by 10% instead.

■ 163, 176, 241

255, 255, 255

■ 219, 230, 255

■ 249, 252, 255

■ 163, 176, 241

■ 136, 149, 213

■ 109, 123, 185

■ 82, 97, 158

■ 56, 72, 131

■ 28, 48, 106

■ 0, 24, 81

■ 0, 9, 58

■ 0, 2, 36

■ 0, 0, 11

■ 163, 176, 241

■ 163, 176, 241

■ 139, 156, 241

■ 187, 196, 241

■ 115, 136, 241

■ 211, 216, 241

■ 91, 116, 241

■ 235, 236, 241

■ 67, 95, 241

■ 241, 255, 241

■ 43, 76, 241

■ 18, 55, 241

■ 0, 40, 241

Harmonies

Analogous

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



115, 162, 241



163, 176, 241



205, 167, 225

Triad

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



163, 176, 241



237, 173, 138



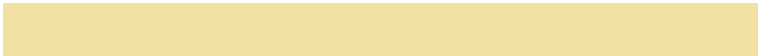
114, 166, 197

Complementary

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



163, 176, 241



183, 241, 163

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.



136, 192, 176



163, 176, 241



196, 216, 121

Square

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



163, 176, 241



243, 158, 166



123, 187, 120



82, 141, 198

Rectangle

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



163, 176, 241



225, 161, 208



123, 187, 120



127, 177, 196

Sweetspot

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



163, 176, 241



230, 234, 255



163, 206, 241



112, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



163, 176, 241



156, 172, 255



186, 163, 241



108, 110, 120



0, 31, 184



0, 9, 56

Inverse Universe

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



241, 163, 179



255, 156, 175



163, 241, 186



120, 108, 110



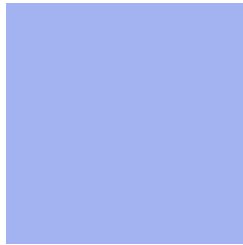
184, 0, 37



56, 0, 11

Previews

White Background



This preview shows how the RYB color 163, 176, 241 looks on a white background.

Color Contrast Check

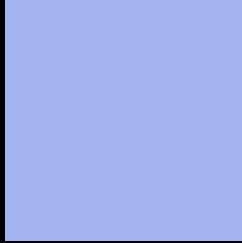
Large Text (above 18pt) WCAG AA × Fail

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 163, 176, 241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

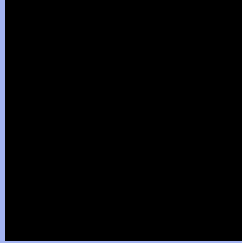
Any Text WCAG AA ✓ Pass

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 163, 176, 241 Background



This preview shows how black text looks on a background with the RYB color 163, 176, 241.



This preview shows how white text looks on a background with the RYB color 163, 176, 241.

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](#).

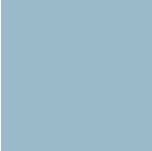
Dichromacy



Original Color
163, 176, 241

Protanopia
163, 176, 241

Deuteranopia
165, 176, 241



Tritanopia
154, 173, 201

Trichromacy



Original Color
163, 176, 241

Protanomaly
163, 176, 241

Deuteranomaly
164, 176, 241

Tritanomaly
157, 175, 216

Monochromacy



Original Color
163, 176, 241

Achromatopsia
181, 181, 181

Achromatomaly
174, 179, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 176, 241 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(163, 179, 241)` looks like.

```
.text, #text, p{  
    color:rgb(163, 179, 241)  
}
```

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(163, 179, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 179, 241) }
```

Border

The CSS property to change the border of an element to RYB 163, 176, 241 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(163, 179, 241) }
```

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

```
.border{ border-color:rgb(163, 179, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 179, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 179, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 179, 241);  
box-shadow:4px 4px 4px 4px rgb(163, 179,  
241) }
```

Background

The CSS property to change the background color of an element to RYB 163, 176, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 179, 241) }
```

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

```
.background{ background-color: rgb(163,  
179, 241) }
```

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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