

Converting Colors

`RYB(156, 166, 221)`

Have a look what the booklet for RYB(156, 166, 221) contains.

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Color

R_YB(156, 166, 221)

Conversions

Conversions Part 1

Format	Color
Hex	9CA8DD
RGB	156, 168, 221
RGB Percent	61%, 66%, 87%
CMY	0.3882, 0.3419, 0.1333
CMYK	0.29, 0.24, 0.00, 0.13
HSL	229°, 49%, 74%
HSV	229°, 29%, 87%
XYZ	40.7305, 40.2266, 74.0244
YIQ	170.4540, -24.1650, 13.9390

Conversions

Conversions Part 2

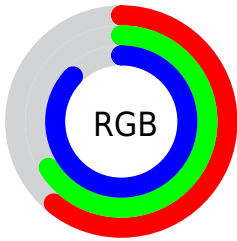
Format	Color
RYB	156, 166, 221
Decimal	10266845
CIELab	69.63, 7.86, -28.22
CIELCh	70, 29.297, 285.571
Yxy	40.2266, 0.2628, 0.2596
Android (android.graphics.Color)	4288456925 (0xFF9CA8DD)
YUV	170.4540, 24.9192, -12.6762
Hunter-Lab	63.4244, 3.6382, -24.8019

Details

The RYB color **156, 166, 221** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **171, 221, 156**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **212, 221, 255**, and **103, 114, 166** is the 20% darker color. If you saturate the color by 10%, you get **134, 148, 221**, and if you desaturate by 10%, it is **178, 185, 221**.

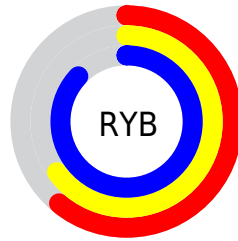
Distribution



Red (61%)

Green (66%)

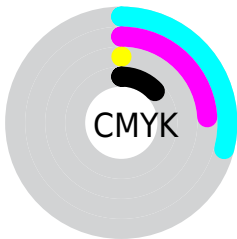
Blue (87%)



Red (61%)

Yellow (65%)

Blue (87%)

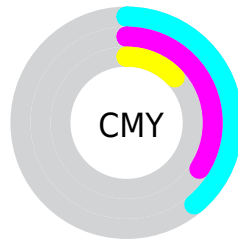


Cyan (29%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (39%)

Magenta (34%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 166, 221 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 156, 166, 221 by changing the saturation by 10% instead.

■ 156, 166, 221

255, 255, 255

■ 212, 221, 255

■ 240, 246, 255

■ 156, 166, 221

■ 129, 139, 193

■ 103, 114, 166

■ 77, 88, 139

■ 52, 65, 114

■ 26, 41, 89

■ 0, 19, 65

■ 0, 0, 43

■ 0, 1, 21

■ 0, 0, 0

■ 156, 166, 221

■ 156, 166, 221

■ 134, 148, 221

■ 178, 185, 221

■ 112, 129, 221

■ 200, 203, 221

■ 90, 110, 221

■ 221, 222, 221

■ 68, 91, 221

■ 226, 244, 221

■ 46, 72, 221

■ 221, 255, 221

■ 23, 53, 221

■ 1, 35, 221

■ 0, 34, 221

Harmonies

Analogous

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



117, 155, 221



156, 166, 221



191, 159, 207

Triad

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



156, 166, 221



218, 165, 133



114, 158, 184

Complementary

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



156, 166, 221



171, 221, 156

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.



132, 180, 167



156, 166, 221



184, 200, 119

Square

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



156, 166, 221



224, 151, 157



121, 175, 119



90, 138, 185

Rectangle

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



156, 166, 221



208, 154, 193



121, 175, 119



124, 166, 183

Sweetspot

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



156, 166, 221



232, 235, 255



156, 192, 221



113, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



156, 166, 221



166, 180, 255



177, 156, 221



99, 101, 110



0, 27, 173



0, 7, 46

Inverse Universe

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



221, 156, 168



255, 166, 182



156, 221, 177



110, 99, 101



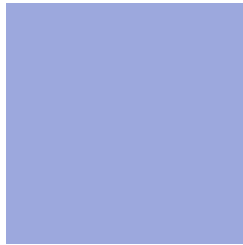
173, 0, 32



46, 0, 8

Previews

White Background



This preview shows how the RYB color 156, 166, 221 looks on a white background.

Color Contrast Check

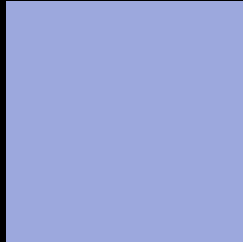
Large Text (above 18pt) WCAG AA × Fail

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 156, 166, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

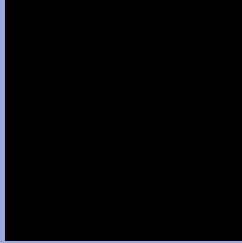
Any Text WCAG AA ✓ Pass

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 156, 166, 221 Background



This preview shows how black text looks on a background with the RYB color 156, 166, 221.



This preview shows how white text looks on a background with the RYB color 156, 166, 221.

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](#).

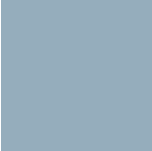
Dichromacy



Original Color
156, 166, 221

Protanopia
156, 166, 221

Deuteranopia
159, 166, 221



Tritanopia

149, 164, 188

Trichromacy



Original Color
156, 166, 221

Protanomaly
156, 166, 221

Deuteranomaly
158, 166, 221

Tritanomaly
152, 166, 200

Monochromacy



Original Color
156, 166, 221

Achromatopsia
170, 170, 170

Achromatomaly
165, 168, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 166, 221 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(156, 168, 221)` looks like.

```
.text, #text, p{  
    color:rgb(156, 168, 221)  
}
```

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(156, 168, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 168, 221) }
```

Border

The CSS property to change the border of an element to RYB 156, 166, 221 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(156, 168, 221) }
```

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

```
.border{ border-color:rgb(156, 168, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 168, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 168, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 168, 221);  
box-shadow:4px 4px 4px 4px rgb(156, 168,  
221) }
```

Background

The CSS property to change the background color of an element to RYB 156, 166, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 168, 221) }
```

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

```
.background{ background-color: rgb(156,  
168, 221) }
```

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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