Converting Colors

RYB(168, 168, 225)

Have a look what the booklet for RYB(168, 168, 225) contains.

Color

RYB(168, 168, 225)

Conversions

Conversions Part 1

Format	Color
Hex	A8A8E1
RGB	168, 168, 225
RGB Percent	66%, 66%, 88%
CMY	0.3412, 0.3412, 0.1176
CMYK	0.25, 0.25, 0.00, 0.12
HSL	240°, 49%, 77%
HSV	240°, 25%, 88%
XYZ	43.7417, 41.7663, 76.9904
YIQ	174.4980, -18.2970, 17.7270

Conversions

Conversions Part 2

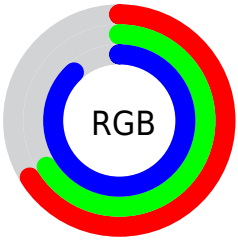
Format	Color
RYB	168, 168, 225
Decimal	11053281
CIELab	70.71, 12.28, -28.68
CIELCh	71, 31.199, 293.185
Yxy	41.7663, 0.2692, 0.2570
Android (android.graphics.Color)	4289243361 (0xFFA8A8E1)
YUV	174.4980, 24.8975, -5.6987
Hunter-Lab	64.6269, 7.7179, -25.3938

Details

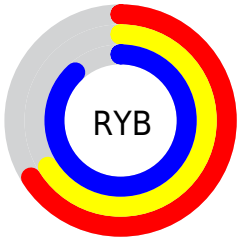
The RYB color 168, 168, 225 is a light color, and the websafe version is hex 9999CC. A complement of this color would be 168, 225, 168, and the grayscale version is 174, 174, 174.

A 20% lighter version of the original color is 224, 223, 255, and 115, 116, 170 is the 20% darker color. If you saturate the color by 10%, you get 146, 146, 225, and if you desaturate by 10%, it is 191, 191, 225.

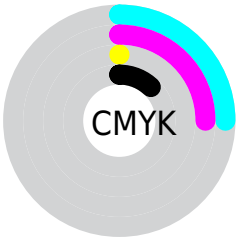
Distribution



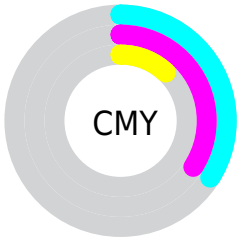
- Red (66%)
- Green (66%)
- Blue (88%)



- Red (66%)
- Yellow (66%)
- Blue (88%)



- Cyan (25%)
- Magenta (25%)
- Yellow (0%)
- Black (12%)



- Cyan (34%)
- Magenta (34%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 168, 225 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 168, 168, 225 by changing the saturation by 10% instead.

168, 168, 225	168, 168, 225
255, 255, 255	141, 142, 197
224, 223, 255	115, 116, 170
253, 252, 255	89, 92, 143
	64, 68, 117
	39, 45, 92
	13, 23, 68
	0, 0, 46
	0, 1, 24
	0, 0, 0

168, 168, 225

146, 146, 225

123, 123, 225

101, 101, 225

78, 78, 225

56, 56, 225

33, 33, 225

11, 11, 225

0, 0, 225

168, 168, 225

191, 191, 225

213, 213, 225

225, 235, 225

225, 255, 225

Harmonies

Analogous

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

126, 161, 229

168, 168, 225

203, 158, 207

Triad

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

168, 168, 225

220, 174, 129

105, 153, 188

Complementary

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

168, 168, 225

168, 225, 168

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.

137, 184, 185

168, 168, 225

164, 199, 117

Square

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

168, 168, 225

230, 153, 152

120, 178, 128

81, 136, 194

Rectangle

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

168, 168, 225

219, 154, 190

120, 178, 128

115, 161, 187

Sweetspot

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

168, 168, 225

235, 235, 255

168, 197, 225

115, 115, 128

0, 0, 0

128, 128, 128

Same Dimension

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

168, 168, 225

179, 179, 255

196, 168, 225

101, 101, 112

0, 0, 176

0, 0, 48

Inverse Universe

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

225, 168, 225

255, 179, 255

168, 225, 197

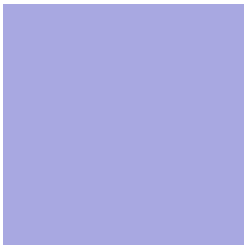
112, 101, 112

176, 0, 176

48, 0, 48

Previews

White Background

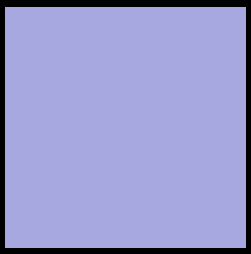


This preview shows how the RYB color 168, 168, 225 looks on a white background.

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



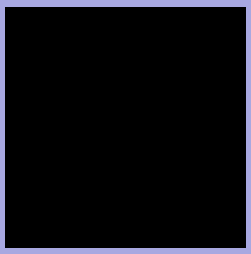
This preview shows how the RYB color 168, 168, 225 looks on a black background.

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 168, 168, 225 Background



This preview shows how black text looks on a background with the RYB color 168, 168, 225.

This preview shows how white text looks on a background with the RYB color 168, 168, 225.

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

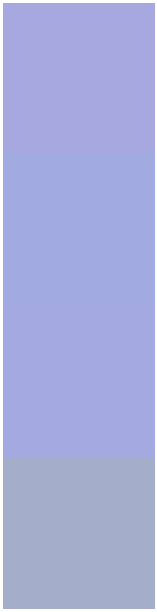
Original Color
168, 168, 225

Protanopia
158, 169, 227

Deuteranopia
162, 169, 225

Tritanopia
161, 170, 189

Trichromacy



Original Color
168, 168, 225

Protanomaly
162, 169, 226

Deuteranomaly
164, 169, 225

Tritanomaly
164, 171, 202

Monochromacy

Original Color
168, 168, 225

Achromatopsia
174, 174, 174

Achromatomaly
172, 172, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 168, 225 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(168, 168, 225) looks like.

```
.text, #text, p{
    color:rgb(168, 168, 225)
}
```

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(168, 168, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 225) }
```

Border

The CSS property to change the border of an element to RYB 168, 168, 225 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(168, 168, 225) }
```

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

```
.border{ border-color:rgb(168, 168, 225) }
```

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

Here you see how a box with a 4 pixel rgb(168, 168, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 168, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 168, 225); box-shadow:4px 4px 4px 4px rgb(168, 168, 225) }
```

Background

The CSS property to change the background color of an element to RYB 168, 168, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(168, 168, 225) }
```

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

```
.background{ background-color:rgb(168,
168, 225) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor