

Converting Colors

`RYB(144, 144, 234)`

Have a look what the booklet for
RYB(144, 144, 234) contains.

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Color

R_YB(144, 144, 234)

Conversions

Conversions Part 1

Format	Color
Hex	9090EA
RGB	144, 144, 234
RGB Percent	56%, 56%, 92%
CMY	0.4353, 0.4353, 0.0824
CMYK	0.38, 0.38, 0.00, 0.08
HSL	240°, 68%, 74%
HSV	240°, 38%, 92%
XYZ	36.3261, 31.8163, 82.0685
YIQ	154.2600, -28.8900, 27.9900

Conversions

Conversions Part 2

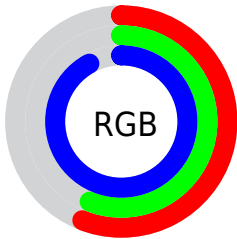
Format	Color
RYB	144, 144, 234
Decimal	9474282
CIELab	63.19, 21.51, -45.48
CIElCh	63, 50.309, 295.317
Yxy	31.8163, 0.2418, 0.2118
Android (android.graphics.Color)	4287664362 (0xFF9090EA)
YUV	154.2600, 39.3118, -8.9980
Hunter-Lab	56.4060, 16.2458, -46.7805

Details

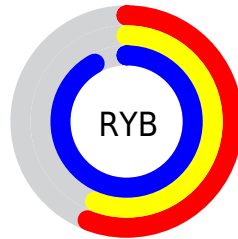
The RYB color **144, 144, 234** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **144, 234, 144**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **201, 198, 255**, and **89, 94, 178** is the 20% darker color. If you saturate the color by 10%, you get **121, 121, 234**, and if you desaturate by 10%, it is **167, 167, 234**.

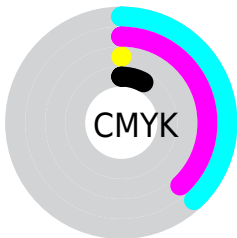
Distribution



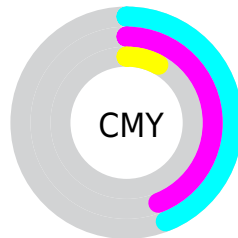
- Red (56%)
- Green (56%)
- Blue (92%)



- Red (56%)
- Yellow (56%)
- Blue (92%)



- Cyan (38%)
- Magenta (38%)
- Yellow (0%)
- Black (8%)




- Cyan (44%)
- Magenta (44%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 144, 144, 234 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 144, 144, 234 by changing the saturation by 10% instead.

 144, 144, 234

 144, 144, 234


255, 255, 255

 116, 118, 206

 201, 198, 255

 89, 94, 178

 230, 226, 255

 61, 69, 151

255, 254, 255

 30, 45, 124

 0, 22, 99

 0, 3, 75

 0, 4, 51

 0, 2, 29

 0, 0, 0

■ 144, 144, 234

■ 144, 144, 234

■ 121, 121, 234

■ 167, 167, 234

■ 97, 97, 234

■ 191, 191, 234

■ 74, 74, 234

■ 214, 214, 234

■ 50, 50, 234

■ 234, 238, 234

■ 27, 27, 234

■ 234, 255, 234

■ 4, 4, 234

■ 0, 0, 234

Harmonies

Analogous

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



32, 112, 242



144, 144, 234



201, 126, 204

Triad

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



144, 144, 234



218, 161, 80



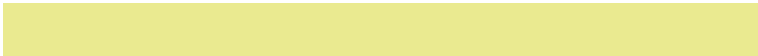
0, 96, 175

Complementary

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



144, 144, 234



144, 234, 144

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.



85, 158, 171



144, 144, 234



113, 185, 60

Square

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



144, 144, 234



235, 117, 117



68, 162, 89



0, 91, 190

Rectangle

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



144, 144, 234



224, 117, 177



68, 162, 89



0, 100, 174

Sweetspot

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



144, 144, 234



224, 224, 255



144, 189, 234



110, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



144, 144, 234



138, 138, 255



189, 144, 234



106, 106, 117



0, 0, 181



0, 0, 54

Inverse Universe

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



234, 144, 234



255, 138, 255



144, 234, 189



117, 106, 117



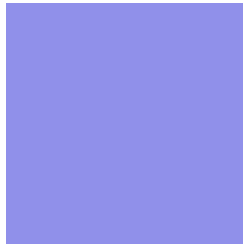
181, 0, 181



54, 0, 54

Previews

White Background



This preview shows how the RYB color 144, 144, 234 looks on a white background.

Color Contrast Check

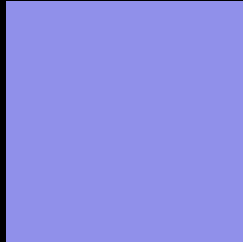
Large Text (above 18pt) WCAG AA × Fail

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 144, 144, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

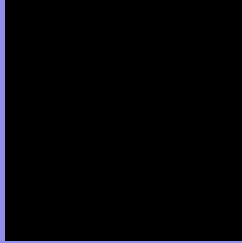
Any Text WCAG AA ✓ Pass

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 144, 144, 234 Background



This preview shows how black text looks on a background with the RYB color 144, 144, 234.



This preview shows how white text looks on a background with the RYB color 144, 144, 234.

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





Tritanopia
129, 146, 170

Trichromacy



Original Color
144, 144, 234

Protanomaly
129, 145, 237

Deuteranomaly
125, 145, 233

Tritanomaly
134, 148, 193

Monochromacy



Original Color
144, 144, 234

Achromatopsia
154, 154, 154

Achromatomaly
150, 150, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 144, 144, 234 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(144, 144, 234)` looks like.

```
.text, #text, p{  
    color:rgb(144, 144, 234)  
}
```

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(144, 144, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 144, 234) }
```

Border

The CSS property to change the border of an element to RYB 144, 144, 234 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(144, 144, 234) }
```

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

```
.border{ border-color:rgb(144, 144, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 144, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 144, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 144, 234);  
box-shadow:4px 4px 4px 4px rgb(144, 144,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 144, 144, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 144, 234) }
```

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

```
.background{ background-color: rgb(144,  
144, 234) }
```

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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