

Converting Colors

`RYB(164, 159, 224)`

Have a look what the booklet for
RYB(164, 159, 224) contains.

RYB(164, 159, 224)	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(164, 159, 224)

Conversions

Conversions Part 1

Format	Color
Hex	A49FE0
RGB	164, 159, 224
RGB Percent	64%, 62%, 88%
CMY	0.3569, 0.3765, 0.1216
CMYK	0.27, 0.29, 0.00, 0.12
HSL	245°, 51%, 75%
HSV	245°, 29%, 88%
XYZ	41.1625, 38.0706, 75.6999
YIQ	167.9050, -17.8850, 21.2750

Conversions

Conversions Part 2

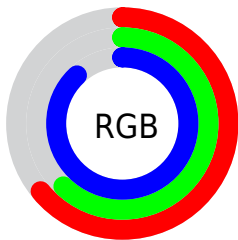
Format	Color
RYB	164, 159, 224
Decimal	10788832
CIELab	68.07, 15.91, -32.22
CIELCh	68, 35.937, 296.273
Yxy	38.0706, 0.2657, 0.2457
Android (android.graphics.Color)	4288978912 (0xFFA49FE0)
YUV	167.9050, 27.6548, -3.4247
Hunter-Lab	61.7014, 11.1044, -29.5504

Details

The RYB color **164, 159, 224** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **159, 224, 164**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **220, 214, 255**, and **111, 108, 169** is the 20% darker color. If you saturate the color by 10%, you get **143, 137, 224**, and if you desaturate by 10%, it is **185, 181, 224**.

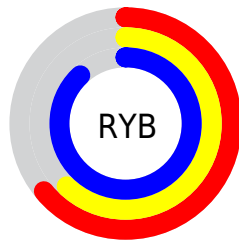
Distribution



Red (64%)

Green (62%)

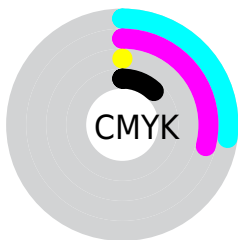
Blue (88%)



Red (64%)

Yellow (62%)

Blue (88%)

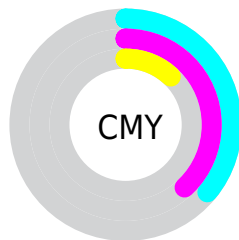


Cyan (27%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (36%)

Magenta (38%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 159, 224 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 164, 159, 224 by changing the saturation by 10% instead.

■ 164, 159, 224

255, 255, 255

■ 220, 214, 255

■ 249, 242, 255

■ 164, 159, 224

■ 137, 133, 196

■ 111, 108, 169

■ 85, 83, 142

■ 60, 60, 116


■ 34, 39, 91

■ 4, 16, 67

■ 0, 0, 45

■ 0, 1, 23


■ 0, 0, 0

 164, 159, 224

 164, 159, 224

 143, 137, 224


 185, 181, 224

 123, 114, 224

 205, 204, 224

 102, 92, 224

 224, 226, 224

 81, 69, 224

 224, 249, 226

 61, 47, 224

 224, 255, 224

 40, 25, 224

 19, 2, 224

 17, 0, 224

Harmonies

Analogous

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



113, 151, 230



164, 159, 224



203, 148, 202

Triad

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



164, 159, 224



216, 173, 113



78, 137, 183

Complementary

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



164, 159, 224



159, 224, 164

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.



120, 172, 180



164, 159, 224



142, 191, 101

Square

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



164, 159, 224



229, 143, 139



107, 173, 122



38, 113, 194

Rectangle

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



164, 159, 224



220, 142, 182



107, 173, 122



92, 147, 182

Sweetspot

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



164, 159, 224



234, 232, 255



159, 190, 224



115, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



164, 159, 224



173, 166, 255



196, 159, 224



102, 101, 112



14, 0, 176



4, 0, 48

Inverse Universe

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



224, 159, 219



255, 166, 248



159, 224, 196



112, 101, 111



176, 0, 162



48, 0, 45

Previews

White Background



This preview shows how the RYB color 164, 159, 224 looks on a white background.

Color Contrast Check

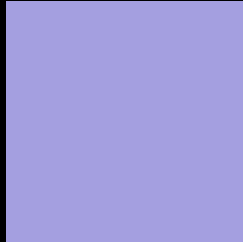
Large Text (above 18pt) WCAG AA × Fail

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 164, 159, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

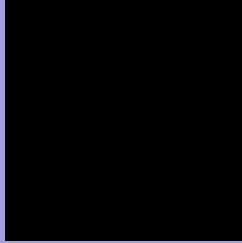
Any Text WCAG AA ✓ Pass

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 164, 159, 224 Background



This preview shows how black text looks on a background with the RYB color 164, 159, 224.

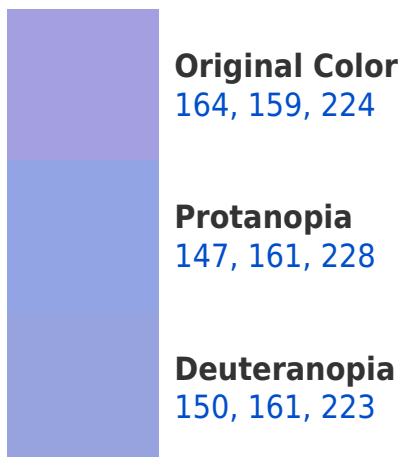


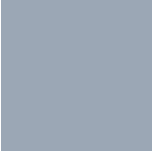
This preview shows how white text looks on a background with the RYB color 164, 159, 224.

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
155, 163, 181

Trichromacy



Original Color
164, 159, 224

Protanomaly
153, 161, 227

Deuteranomaly
155, 161, 223

Tritanomaly
158, 163, 197

Monochromacy



Original Color
164, 159, 224

Achromatopsia
168, 168, 168

Achromatomaly
167, 165, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 159, 224 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(164, 159, 224)` looks like.

```
.text, #text, p{  
    color:rgb(164, 159, 224)  
}
```

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(164, 159, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 159, 224) }
```

Border

The CSS property to change the border of an element to RYB 164, 159, 224 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(164, 159, 224) }
```

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

```
.border{ border-color:rgb(164, 159, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 159, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 159, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 159, 224);  
box-shadow:4px 4px 4px 4px rgb(164, 159,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 164, 159, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 159, 224) }
```

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

```
.background{ background-color: rgb(164,  
159, 224) }
```

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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