

Converting Colors

`RYB(159, 159, 255)`

Have a look what the booklet for
RYB(159, 159, 255) contains.

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Color

R_YB(159, 159, 255)

Conversions

Conversions Part 1

Format	Color
Hex	9F9FFF
RGB	159, 159, 255
RGB Percent	62%, 62%, 100%
CMY	0.3765, 0.3765, 0.0000
CMYK	0.38, 0.38, 0.00, 0.00
HSL	240°, 100%, 81%
HSV	240°, 38%, 100%
XYZ	44.7462, 39.3872, 99.8519
YIQ	169.9440, -30.8160, 29.8560

Conversions

Conversions Part 2

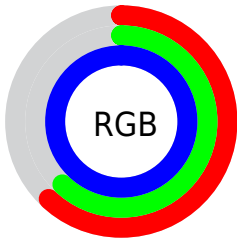
Format	Color
R _Y B	159, 159, 255
Decimal	10461183
CIE Lab	69.03, 22.45, -47.71
CIE LCh	69, 52.724, 295.203
Yxy	39.3872, 0.2432, 0.2141
Android (android.graphics.Color)	4288651263 (0xFF9F9FFF)
YUV	169.9440, 41.9326, -9.5979
Hunter-Lab	62.7592, 17.4387, -50.4008

Details

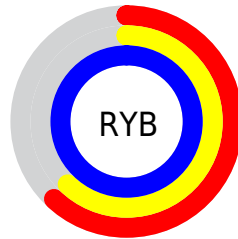
The RYB color **159, 159, 255** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **159, 255, 159**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **216, 214, 255**, and **103, 108, 198** is the 20% darker color. If you saturate the color by 10%, you get **133, 133, 255**, and if you desaturate by 10%, it is **185, 185, 255**.

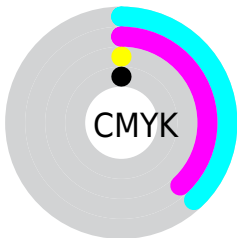
Distribution



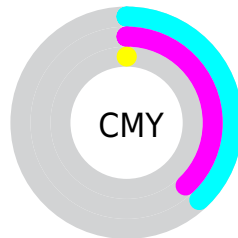
- Red (62%)
- Green (62%)
- Blue (100%)



- Red (62%)
- Yellow (62%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 159, 255 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 159, 159, 255 by changing the saturation by 10% instead.


 159, 159, 255

255, 255, 255

 216, 214, 255

 246, 242, 255

 159, 159, 255


 131, 133, 226

 103, 108, 198

 75, 83, 170

 45, 59, 143

 2, 30, 117

 0, 16, 92


 0, 0, 68

 0, 3, 45


 0, 1, 23

 159, 159, 255

 159, 159, 255

 133, 133, 255

 185, 185, 255

 108, 108, 255


 210, 210, 255

 82, 82, 255


 236, 236, 255

 57, 57, 255

255, 255, 255

 31, 31, 255

 6, 6, 255

 0, 0, 255

Harmonies

Analogous

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



47, 127, 255



159, 159, 255



220, 140, 224

Triad

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



159, 159, 255



238, 179, 91



0, 105, 192

Complementary

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



159, 159, 255



159, 255, 159

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.



97, 174, 187



159, 159, 255



127, 203, 70

Square

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



159, 159, 255



255, 131, 130



78, 178, 100



0, 100, 208

Rectangle

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



159, 159, 255



245, 131, 194



78, 178, 100



23, 121, 191

Sweetspot

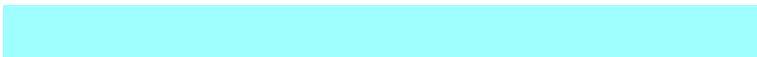
The Sweet Spot groups the original color and five complimentary colors.



159, 159, 255



227, 227, 255



159, 207, 255



111, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



159, 159, 255



140, 140, 255



207, 159, 255



115, 115, 128



0, 0, 191



0, 0, 64

Inverse Universe

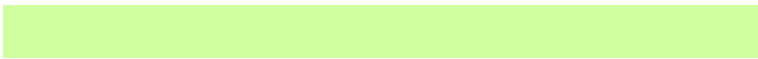
The Inverse Universe completely reimagines the original color for something new.



255, 159, 255



255, 140, 255



159, 255, 207



128, 115, 128



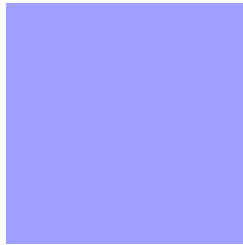
191, 0, 191



64, 0, 64

Previews

White Background



This preview shows how the RYB color 159, 159, 255 looks on a white background.

Color Contrast Check

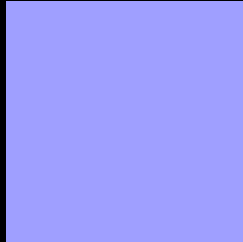
Large Text (above 18pt) WCAG AA × Fail

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 159, 159, 255 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 159, 159, 255 Background



This preview shows how black text looks on a background with the RYB color 159, 159, 255.



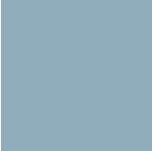
This preview shows how white text looks on a background with the RYB color 159, 159, 255.

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
143, 161, 187

Trichromacy



Original Color
159, 159, 255

Protanomaly
145, 160, 255

Deuteranomaly
140, 160, 254

Tritanomaly
149, 164, 212

Monochromacy



Original Color
159, 159, 255

Achromatopsia
170, 170, 170

Achromatomaly
166, 166, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 159, 255 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(159, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 255)  
}
```

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(159, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 255) }
```

Border

The CSS property to change the border of an element to RYB 159, 159, 255 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(159, 159, 255) }
```

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

```
.border{ border-color:rgb(159, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 159, 159, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 255) }
```

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

```
.background{ background-color: rgb(159,  
159, 255) }
```

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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