

Converting Colors

`RYB(164, 118, 255)`

Have a look what the booklet for
RYB(164, 118, 255) contains.

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Color

`RYB(164, 118, 255)`

Conversions

Conversions Part 1	
Format	Color
Hex	A476FF
RGB	164, 118, 255
RGB Percent	64%, 46%, 100%
CMY	0.3569, 0.5373, 0.0000
CMYK	0.36, 0.54, 0.00, 0.00
HSL	260°, 100%, 73%
HSV	260°, 54%, 100%
XYZ	39.8383, 28.0694, 97.9260
YIQ	147.3720, -16.5610, 52.3590

Conversions

Conversions Part 2

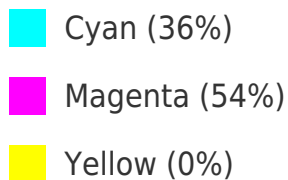
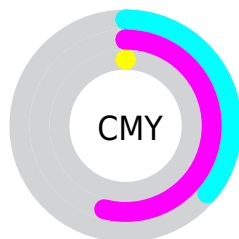
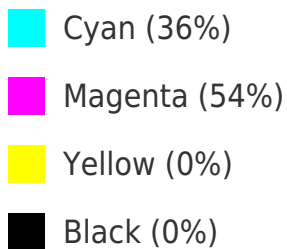
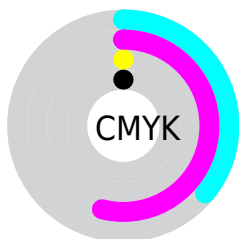
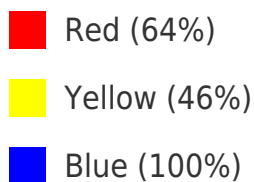
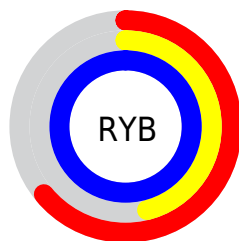
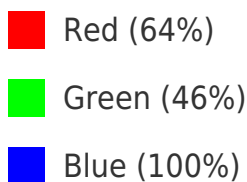
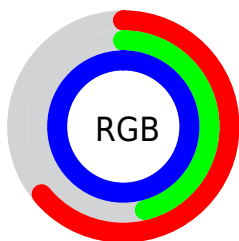
Format	Color
RYB	164, 118, 255
Decimal	10778367
CIELab	59.95, 46.81, -62.10
CIELCh	60, 77.769, 307.009
Yxy	28.0694, 0.2402, 0.1693
Android (android.graphics.Color)	4288968447 (0xFFA476FF)
YUV	147.3720, 53.0606, 14.5828
Hunter-Lab	52.9805, 41.5056, -72.5016

Details

The RYB color **164, 118, 255** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **118, 255, 164**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **223, 171, 255**, and **106, 68, 197** is the 20% darker color. If you saturate the color by 10%, you get **147, 93, 255**, and if you desaturate by 10%, it is **181, 144, 255**.


Distribution



Brightness & Saturation Gradients

These gradients show how the RYB color 164, 118, 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 164, 118, 255 by changing the saturation by 10% instead.

 164, 118, 255

255, 255, 255


 223, 171, 255

 253, 199, 255

 255, 227, 255

 164, 118, 255

 135, 92, 226

 106, 68, 197

 77, 43, 170

 46, 18, 142


 0, 0, 116

 0, 0, 91

 0, 4, 66


 0, 3, 43


 0, 1, 21

 164, 118, 255


 164, 118, 255

 147, 93, 255


 181, 144, 255

 130, 67, 255


 198, 169, 255

 113, 42, 255

 215, 195, 255

 96, 16, 255

 232, 220, 255

 86, 0, 255

 249, 246, 255

255, 255, 255

Harmonies

Analogous

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



0, 94, 255



164, 118, 255



237, 81, 199

Triad

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



164, 118, 255



167, 215, 0



0, 92, 175

Complementary

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



164, 118, 255



118, 255, 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.



0, 113, 171



164, 118, 255



14, 160, 0

Square

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



164, 118, 255



253, 90, 65



0, 163, 78



0, 98, 226

Rectangle

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



164, 118, 255



255, 64, 154



0, 163, 78



0, 98, 174

Sweetspot

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



164, 118, 255



228, 214, 255



118, 173, 255



111, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



164, 118, 255



147, 92, 255



232, 118, 255



119, 115, 128



64, 0, 191



21, 0, 64

Inverse Universe

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



255, 118, 209



255, 92, 200



118, 255, 232



128, 115, 123



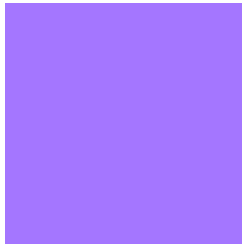
191, 0, 127



64, 0, 42

Previews

White Background



This preview shows how the RYB color 164, 118, 255 looks on a white background.

Color Contrast Check

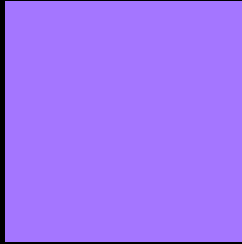
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118, 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 164, 118, 255 Background



This preview shows how black text looks on a background with the RYB color 164, 118, 255.



This preview shows how white text looks on a background with the RYB color 164, 118, 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



Original Color


164, 118, 255

Protanopia

90, 129, 255

Deuteranopia

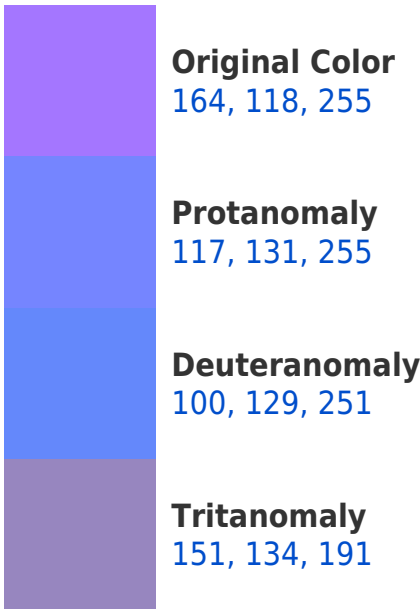
63, 120, 249



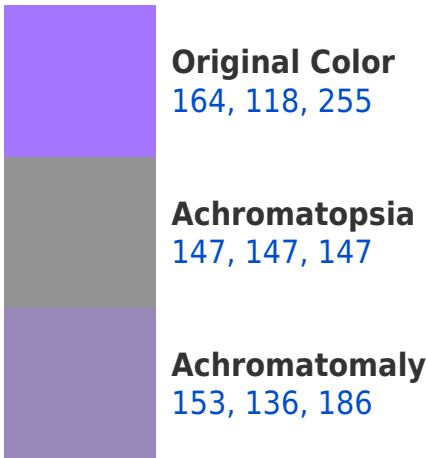
Tritanopia

143, 143, 155

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 118, 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(164, 118, 255) looks like.

```
.text, #text, p{  
    color:rgb(164, 118, 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(164, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 118, 255) }
```

Border

The CSS property to change the border of an element to RYB 164, 118, 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(164, 118, 255) }
```

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

```
.border{ border-color:rgb(164, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 118,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 164, 118, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 118, 255) }
```

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

```
.background{ background-color: rgb(164,  
118, 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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