

Converting Colors

`RYB(177, 94, 255)`

Have a look what the booklet for
RYB(177, 94, 255) contains.

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Color

R_YB(177, 94, 255)

Conversions

Conversions Part 1

Format	Color
Hex	B15EFF
RGB	177, 94, 255
RGB Percent	69%, 37%, 100%
CMY	0.3059, 0.6314, 0.0000
CMYK	0.31, 0.63, 0.00, 0.00
HSL	271°, 100%, 68%
HSV	271°, 63%, 100%
XYZ	40.1842, 24.5725, 97.2328
YIQ	137.1710, -2.2130, 67.6670

Conversions

Conversions Part 2

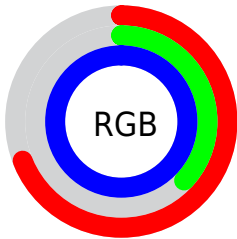
Format	Color
R_{YB}	177, 94, 255
Decimal	11624191
CIE _{Lab}	56.66, 62.09, -67.33
CIE _{LCh}	57, 91.589, 312.685
Yxy	24.5725, 0.2481, 0.1517
Android (android.graphics.Color)	4289814271 (0xFFB15EFF)
YUV	137.1710, 58.0897, 34.9300
Hunter-Lab	49.5707, 57.9513, -81.5977

Details

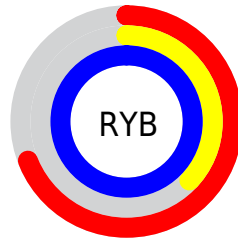
The RYB color **177, 94, 255** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **94, 255, 177**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **237, 148, 255**, and **119, 39, 197** is the 20% darker color. If you saturate the color by 10%, you get **165, 69, 255**, and if you desaturate by 10%, it is **189, 120, 255**.

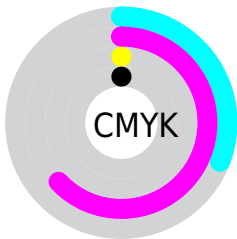
Distribution



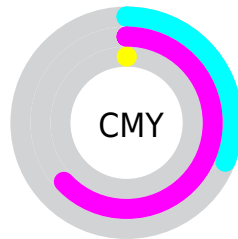
- Red (69%)
- Green (37%)
- Blue (100%)



- Red (69%)
- Yellow (37%)
- Blue (100%)



- Cyan (31%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



















- Cyan (31%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RYB color 177, 94, 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 177, 94, 255 by changing the saturation by 10% instead.

 177, 94, 255	 177, 94, 255
 255, 255, 255	 148, 67, 226
 237, 148, 255	 119, 39, 197
 255, 176, 255	 89, 0, 169
 255, 205, 255	 59, 0, 142
 255, 234, 255	 21, 0, 116
	 0, 0, 90
	 0, 3, 65
	 0, 3, 42
	 0, 1, 21

 177, 94, 255


 177, 94, 255


 165, 69, 255

 189, 120, 255

 152, 43, 255

 202, 145, 255


 140, 18, 255

 214, 171, 255

 131, 0, 255

 226, 196, 255

 239, 222, 255

 251, 247, 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, 88, 255



177, 94, 255



251, 21, 185

Triad

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



177, 94, 255



153, 202, 0



0, 85, 169

Complementary

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



177, 94, 255



94, 255, 177

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, 110, 166



177, 94, 255



0, 143, 9

Square

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



177, 94, 255



251, 77, 25



0, 159, 159



0, 99, 244

Rectangle

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



177, 94, 255



255, 0, 133



0, 159, 159



0, 91, 168

Sweetspot

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



177, 94, 255



232, 207, 255



94, 148, 255



113, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



177, 94, 255



161, 61, 255



255, 94, 255



121, 115, 128



99, 0, 191



33, 0, 64

Inverse Universe

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



255, 94, 172



255, 61, 155



94, 255, 255



128, 115, 121



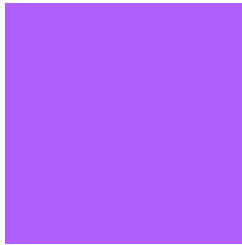
191, 0, 93



64, 0, 31

Previews

White Background



This preview shows how the RYB color 177, 94, 255 looks on a white background.

Color Contrast Check

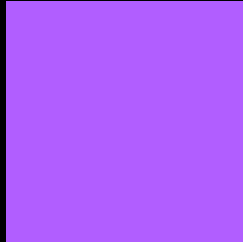
Large Text (above 18pt) WCAG AA ✓ Pass

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 177, 94, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

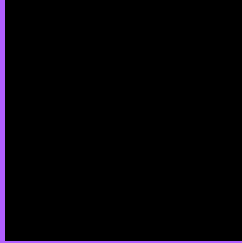
Any Text WCAG AA ✓ Pass

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 177, 94, 255 Background



This preview shows how black text looks on a background with the RYB color 177, 94, 255.

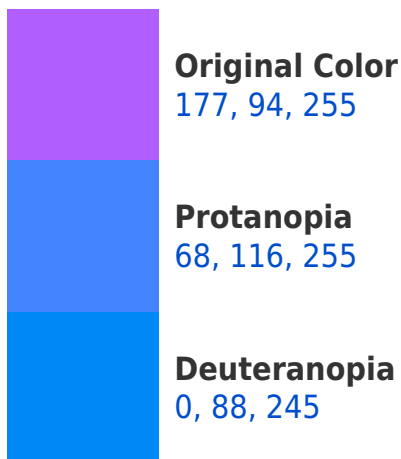


This preview shows how white text looks on a background with the RYB color 177, 94, 255.

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

155, 128, 138

Trichromacy



Original Color

177, 94, 255



Protanomaly

108, 117, 255



Deuteranomaly

64, 108, 249



Tritanomaly

163, 116, 181

Monochromacy



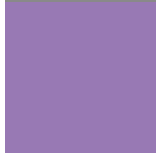
Original Color

177, 94, 255



Achromatopsia

137, 137, 137



Achromatomaly

152, 121, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 177, 94, 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(177, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 94, 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(177, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 94, 255) }
```

Border

The CSS property to change the border of an element to RYB 177, 94, 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(177, 94, 255) }
```

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

```
.border{ border-color:rgb(177, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 94,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 177, 94, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 94, 255) }
```

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

```
.background{ background-color: rgb(177, 94,  
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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