

Converting Colors

`RYB(178, 94, 233)`

Have a look what the booklet for
RYB(178, 94, 233) contains.

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Color

R_YB(178, 94, 233)

Conversions

Conversions Part 1

Format	Color
Hex	B25EE9
RGB	178, 94, 233
RGB Percent	70%, 37%, 91%
CMY	0.3020, 0.6314, 0.0863
CMYK	0.24, 0.60, 0.00, 0.09
HSL	276°, 76%, 64%
HSV	276°, 60%, 91%
XYZ	37.0708, 23.3536, 79.6446
YIQ	134.9620, 5.4450, 61.0370

Conversions

Conversions Part 2

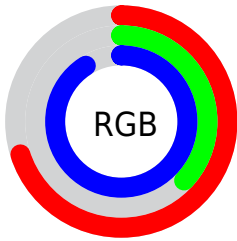
Format	Color
R _Y B	178, 94, 233
Decimal	11689705
CIE Lab	55.43, 57.41, -57.04
CIE LCh	55, 80.927, 315.184
Yxy	23.3536, 0.2647, 0.1667
Android (android.graphics.Color)	4289879785 (0xFFB25EE9)
YUV	134.9620, 48.3327, 37.7443
Hunter-Lab	48.3255, 52.3586, -63.8871

Details

The RYB color **178, 94, 233** 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, 233, 178**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **237, 148, 255**, and **121, 40, 176** is the 20% darker color. If you saturate the color by 10%, you get **169, 71, 233**, and if you desaturate by 10%, it is **187, 117, 233**.

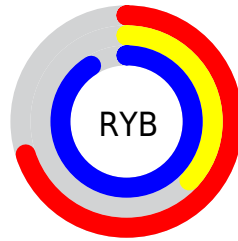
Distribution



Red (70%)

Green (37%)

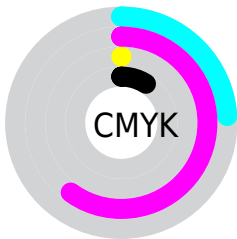
Blue (91%)



Red (70%)

Yellow (37%)

Blue (91%)

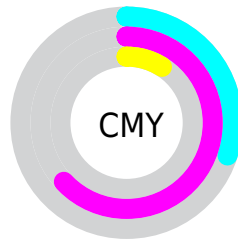


Cyan (24%)

Magenta (60%)

Yellow (0%)

Black (9%)



Cyan (30%)


Magenta (63%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 94, 233 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 178, 94, 233 by changing the saturation by 10% instead.


 178, 94, 233

 178, 94, 233


255, 255, 255

 149, 67, 204

 237, 148, 255

 121, 40, 176

 255, 176, 255

 93, 2, 149

 255, 204, 255

 65, 0, 123

 255, 233, 255

 35, 0, 97

 0, 0, 72

 0, 4, 49

 0, 1, 27

 0, 0, 0

■ 178, 94, 233

■ 178, 94, 233

■ 169, 71, 233

■ 187, 117, 233

■ 160, 47, 233

■ 196, 141, 233

■ 150, 24, 233

■ 206, 164, 233

■ 141, 1, 233

■ 215, 187, 233

■ 141, 0, 233

■ 224, 211, 233

■ 233, 234, 234

■ 233, 255, 245

■ 233, 255, 236

■ 233, 255, 233

Harmonies

Analogous

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



0, 86, 255



178, 94, 233



238, 49, 171

Triad

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



178, 94, 233



116, 189, 0



0, 83, 168

Complementary

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



178, 94, 233



94, 233, 178

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, 102, 161



178, 94, 233



0, 141, 13

Square

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



178, 94, 233



234, 97, 31



2, 154, 133



0, 95, 232

Rectangle

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



178, 94, 233



253, 33, 124



2, 154, 133



0, 87, 163

Sweetspot

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



178, 94, 233



237, 209, 255



94, 134, 233



116, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



178, 94, 233



182, 71, 255



233, 94, 219



113, 106, 117



109, 0, 181



32, 0, 54

Inverse Universe

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



233, 94, 149



255, 71, 144



94, 220, 233



117, 106, 110



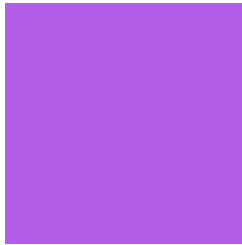
181, 0, 72



54, 0, 21

Previews

White Background



This preview shows how the RYB color 178, 94, 233 looks on a white background.

Color Contrast Check

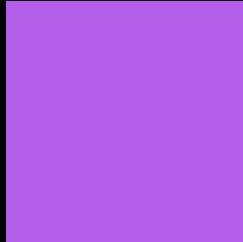
Large Text (above 18pt) WCAG AA ✓ Pass

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 178, 94, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

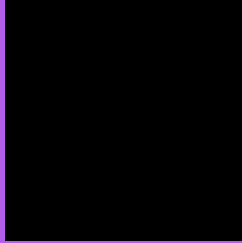
Any Text WCAG AA ✓ Pass

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 178, 94, 233 Background



This preview shows how black text looks on a background with the RYB color 178, 94, 233.

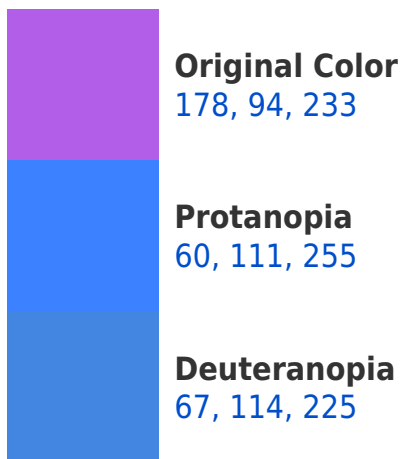


This preview shows how white text looks on a background with the RYB color 178, 94, 233.

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
161, 122, 132

Trichromacy



Original Color

178, 94, 233



Protanomaly

103, 115, 247



Deuteranomaly

107, 118, 228



Tritanomaly

167, 112, 169

Monochromacy



Original Color

178, 94, 233



Achromatopsia

135, 135, 135



Achromatomaly

151, 120, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 94, 233 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(178, 94, 233) looks like.

```
.text, #text, p{  
    color:rgb(178, 94, 233)  
}
```

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(178, 94, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 94, 233) }
```

Border

The CSS property to change the border of an element to RYB 178, 94, 233 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(178, 94, 233) }
```

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

```
.border{ border-color:rgb(178, 94, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 94, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 94, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 94, 233);  
box-shadow:4px 4px 4px 4px rgb(178, 94,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 178, 94, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 94, 233) }
```

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

```
.background{ background-color: rgb(178, 94,  
233) }
```

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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