

Converting Colors

`RYB(178, 79, 241)`

Have a look what the booklet for RYB(178, 79, 241) contains.

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Color

R_YB(178, 79, 241)

Conversions

Conversions Part 1

Format	Color
Hex	B24FF1
RGB	178, 79, 241
RGB Percent	70%, 31%, 95%
CMY	0.3020, 0.6902, 0.0549
CMYK	0.26, 0.67, 0.00, 0.05
HSL	277°, 85%, 63%
HSV	277°, 67%, 95%
XYZ	37.0333, 21.4078, 85.3993
YIQ	127.0690, 7.0020, 71.3700

Conversions

Conversions Part 2

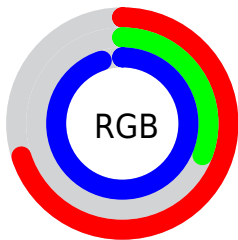
Format	Color
R_{YB}	178, 79, 241
Decimal	11685873
CIE _{Lab}	53.39, 66.08, -64.80
CIE _{LCh}	53, 92.553, 315.562
Yxy	21.4078, 0.2575, 0.1488
Android (android.graphics.Color)	4289875953 (0xFFB24FF1)
YUV	127.0690, 56.1680, 44.6665
Hunter-Lab	46.2686, 61.9010, -77.0454

Details

The RYB color **178, 79, 241** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light washed purple. A complement of this color would be **79, 241, 178**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **237, 134, 255**, and **120, 13, 184** is the 20% darker color. If you saturate the color by 10%, you get **169, 55, 241**, and if you desaturate by 10%, it is **187, 103, 241**.

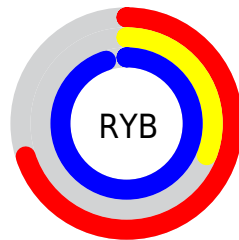
Distribution



Red (70%)

Green (31%)

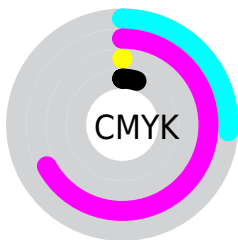
Blue (95%)



Red (70%)

Yellow (31%)

Blue (95%)

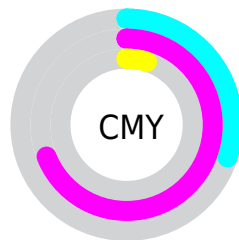


Cyan (26%)

Magenta (67%)

Yellow (0%)

Black (5%)



Cyan (30%)


Magenta (69%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 79, 241 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, 79, 241 by changing the saturation by 10% instead.

 178, 79, 241

 178, 79, 241


255, 255, 255

 149, 50, 212


 237, 134, 255

 120, 13, 184

 255, 162, 255

 91, 0, 156

 255, 191, 255

 61, 0, 129

 255, 220, 255

 29, 0, 104

 255, 249, 255

 0, 0, 78

 0, 5, 54

 0, 2, 32

 0, 0, 4

■ 178, 79, 241

■ 178, 79, 241

■ 169, 55, 241

■ 187, 103, 241

■ 159, 31, 241

■ 197, 127, 241

■ 150, 7, 241

■ 206, 151, 241

■ 147, 0, 241

■ 215, 175, 241

■ 225, 200, 241

■ 234, 224, 241

■ 241, 248, 245

■ 241, 255, 243

■ 241, 255, 241

Harmonies

Analogous

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



0, 83, 255



178, 79, 241



246, 0, 170

Triad

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



178, 79, 241



131, 187, 0



0, 82, 168

Complementary

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



178, 79, 241



79, 241, 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, 157



178, 79, 241



0, 137, 20

Square

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



178, 79, 241



237, 82, 0



0, 151, 151



0, 95, 241

Rectangle

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



178, 79, 241



255, 0, 117



0, 151, 151



0, 84, 159

Sweetspot

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



178, 79, 241



235, 204, 255



79, 125, 241



116, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



178, 79, 241



175, 48, 255



241, 79, 225



115, 108, 120



112, 0, 184



34, 0, 56

Inverse Universe

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



241, 79, 142



255, 48, 129



79, 226, 241



120, 108, 113



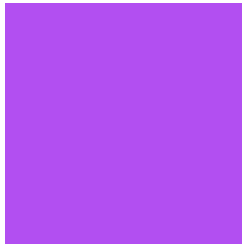
184, 0, 71



56, 0, 22

Previews

White Background



This preview shows how the RYB color 178, 79, 241 looks on a white background.

Color Contrast Check

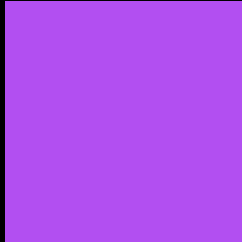
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79, 241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

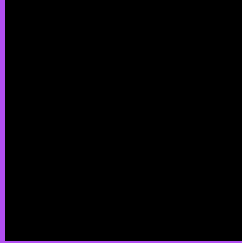
Any Text WCAG AA ✓ Pass

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, 79, 241 Background



This preview shows how black text looks on a background with the RYB color 178, 79, 241.

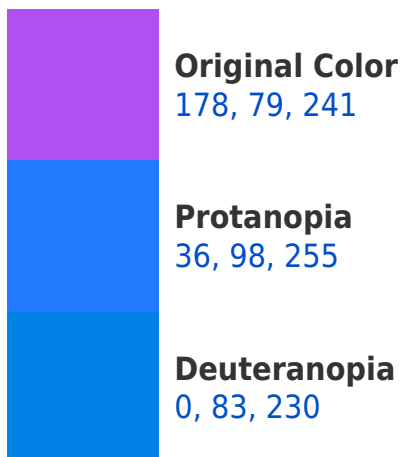



This preview shows how white text looks on a background with the RYB color 178, 79, 241.

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
158, 116, 125

Trichromacy



Original Color

178, 79, 241



Protanomaly

88, 105, 250



Deuteranomaly

65, 101, 234



Tritanomaly

165, 103, 167

Monochromacy



Original Color

178, 79, 241



Achromatopsia

127, 127, 127



Achromatomaly

146, 110, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 79, 241 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, 79, 241)` looks like.

```
.text, #text, p{  
    color:rgb(178, 79, 241)  
}
```

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, 79, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 79, 241) }
```

Border

The CSS property to change the border of an element to RYB 178, 79, 241 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, 79, 241) }
```

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

```
.border{ border-color:rgb(178, 79, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 79, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 79, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 79, 241);  
box-shadow:4px 4px 4px 4px rgb(178, 79,  
241) }
```

Background

The CSS property to change the background color of an element to RYB 178, 79, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 79, 241) }
```

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

```
.background{ background-color: rgb(178, 79,  
241) }
```

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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