

Converting Colors

`RYB(172, 126, 240)`

Have a look what the booklet for
RYB(172, 126, 240) contains.

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Color

R_YB(172, 126, 240)

Conversions

Conversions Part 1

Format	Color
Hex	AC7EF0
RGB	172, 126, 240
RGB Percent	67%, 49%, 94%
CMY	0.3255, 0.5059, 0.0588
CMYK	0.28, 0.47, 0.00, 0.06
HSL	264°, 79%, 72%
HSV	264°, 48%, 94%
XYZ	40.2023, 29.9836, 86.1066
YIQ	152.7500, -9.1780, 45.2060

Conversions

Conversions Part 2

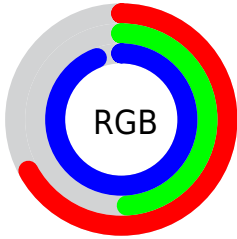
Format	Color
RYB	172, 126, 240
Decimal	11304688
CIELab	61.64, 40.67, -51.09
CIELCh	62, 65.299, 308.522
Yxy	29.9836, 0.2572, 0.1918
Android (android.graphics.Color)	4289494768 (0xFFAC7EF0)
YUV	152.7500, 43.0142, 16.8822
Hunter-Lab	54.7573, 35.2277, -54.9042

Details

The RYB color **172, 126, 240** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **126, 240, 172**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **230, 180, 255**, and **116, 76, 183** is the 20% darker color. If you saturate the color by 10%, you get **158, 102, 240**, and if you desaturate by 10%, it is **186, 150, 240**.

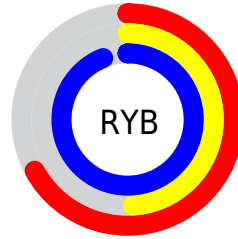
Distribution



Red (67%)

Green (49%)

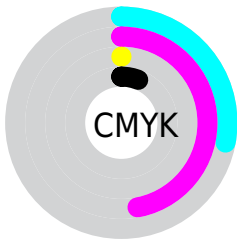
Blue (94%)



Red (67%)

Yellow (49%)

Blue (94%)

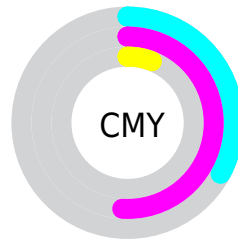


Cyan (28%)

Magenta (47%)

Yellow (0%)

Black (6%)



Cyan (33%)


Magenta (51%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 126, 240 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 172, 126, 240 by changing the saturation by 10% instead.


 172, 126, 240


255, 255, 255

 230, 180, 255

 255, 207, 255

 255, 236, 255

 172, 126, 240

 144, 100, 211

 116, 76, 183

 89, 51, 156

 62, 28, 129

 32, 2, 104

 0, 0, 79

 0, 1, 55

 0, 2, 33

 0, 0, 5

■ 172, 126, 240

■ 172, 126, 240

■ 158, 102, 240

■ 186, 150, 240

■ 143, 78, 240

■ 201, 174, 240

■ 129, 54, 240

■ 215, 198, 240

■ 115, 30, 240

■ 229, 222, 240

■ 100, 6, 240

■ 240, 246, 242

■ 97, 0, 240

■ 240, 255, 240

Harmonies

Analogous

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



32, 109, 255



172, 126, 240



231, 101, 192

Triad

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



172, 126, 240



180, 211, 32



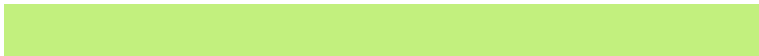
0, 91, 176

Complementary

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



172, 126, 240



126, 240, 172

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, 108, 173



172, 126, 240



16, 162, 4

Square

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



172, 126, 240



243, 111, 80



49, 165, 114



0, 97, 220

Rectangle

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



172, 126, 240



249, 91, 154



49, 165, 114



0, 97, 176

Sweetspot

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



172, 126, 240



234, 219, 255



126, 169, 240



115, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 126, 240



168, 110, 255



229, 126, 240



113, 108, 120



74, 0, 184



23, 0, 56

Inverse Universe

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



240, 126, 194



255, 110, 196



126, 240, 229



120, 108, 115



184, 0, 110



56, 0, 33

Previews

White Background



This preview shows how the RYB color 172, 126, 240 looks on a white background.

Color Contrast Check

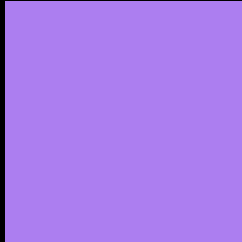
Large Text (above 18pt) WCAG AA ✓ Pass

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 172, 126, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

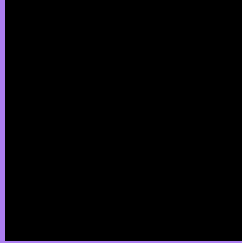
Any Text WCAG AA ✓ Pass

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 172, 126, 240 Background



This preview shows how black text looks on a background with the RYB color 172, 126, 240.

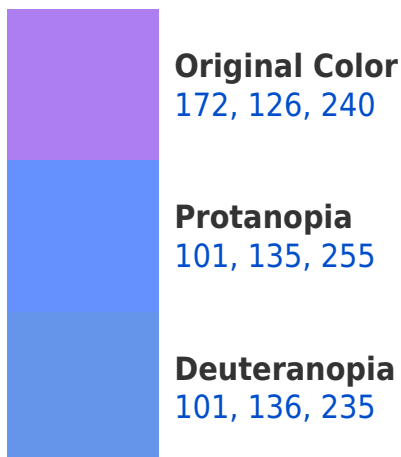



This preview shows how white text looks on a background with the RYB color 172, 126, 240.

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
156, 145, 157

Trichromacy



Original Color
172, 126, 240

Protanomaly
127, 137, 250

Deuteranomaly
127, 139, 237

Tritanomaly
162, 138, 187

Monochromacy



Original Color
172, 126, 240

Achromatopsia
153, 153, 153

Achromatomaly
160, 143, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 126, 240 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(172, 126, 240)` looks like.

```
.text, #text, p{  
    color:rgb(172, 126, 240)  
}
```

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(172, 126, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 126, 240) }
```

Border

The CSS property to change the border of an element to RYB 172, 126, 240 is called "border". The border property can be set on classes, ids or directly on the HTML element.

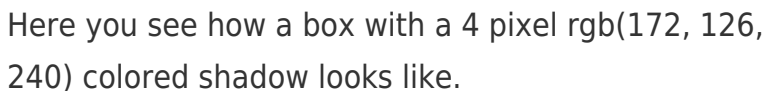
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 126, 240) }
```

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

```
.border{ border-color:rgb(172, 126, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 126, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 126, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 126, 240); box-shadow:4px 4px 4px 4px rgb(172, 126, 240) }
```

Background

The CSS property to change the background color of an element to RYB 172, 126, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 126, 240) }
```

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

```
.background{ background-color: rgb(172,  
126, 240) }
```

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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