

Converting Colors

`RYB(162, 78, 175)`

Have a look what the booklet for
RYB(162, 78, 175) contains.

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Color

R_YB(162, 78, 175)

Conversions

Conversions Part 1

Format	Color
Hex	A24EAF
RGB	162, 78, 175
RGB Percent	64%, 31%, 69%
CMY	0.3647, 0.6941, 0.3137
CMYK	0.07, 0.55, 0.00, 0.31
HSL	292°, 38%, 50%
HSV	292°, 55%, 69%
XYZ	25.3625, 16.2253, 42.3525
YIQ	114.1740, 18.9270, 47.9750

Conversions

Conversions Part 2

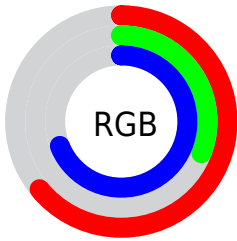
Format	Color
RYB	162, 78, 175
Decimal	10636975
CIELab	47.27, 49.19, -36.91
CIElCh	47, 61.499, 323.117
Yxy	16.2253, 0.3021, 0.1933
Android (android.graphics.Color)	4288827055 (0xFFA24EAF)
YUV	114.1740, 29.9872, 41.9434
Hunter-Lab	40.2806, 41.9007, -34.1431

Details

The RYB color **162, 78, 175** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **78, 175, 162**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **219, 131, 231**, and **108, 23, 122** is the 20% darker color. If you saturate the color by 10%, you get **160, 60, 175**, and if you desaturate by 10%, it is **164, 96, 175**.

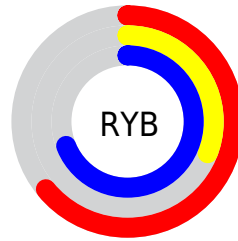
Distribution



Red (64%)

Green (31%)

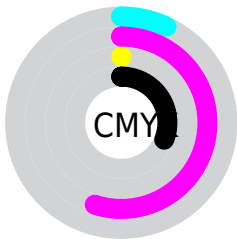
Blue (69%)



Red (64%)

Yellow (31%)

Blue (69%)

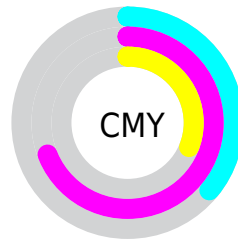


Cyan (7%)

Magenta (55%)

Yellow (0%)

Black (31%)



Cyan (36%)
















Magenta (69%)




Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the RYB color 162, 78, 175 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 162, 78, 175 by changing the saturation by 10% instead.


 162, 78, 175	 162, 78, 175
 255, 255, 255	 134, 52, 148
 219, 131, 231	 108, 23, 122
 248, 158, 255	 81, 0, 97
 255, 186, 255	 56, 0, 72
 255, 214, 255	 33, 0, 49
 255, 243, 255	 0, 1, 27
	 0, 0, 0

 162, 78, 175	 162, 78, 175
 160, 60, 175	 164, 96, 175


 157, 43, 175

 167, 113, 175

 155, 25, 175

 169, 131, 175

 153, 8, 175

 171, 148, 175

 152, 0, 175

 174, 166, 175

 175, 183, 182

 175, 201, 198

 175, 218, 212

 175, 235, 227

Harmonies

Analogous

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



83, 101, 208



162, 78, 175



197, 56, 126

Triad

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



162, 78, 175



53, 145, 0



0, 71, 151

Complementary

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



162, 78, 175



78, 175, 162

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, 78, 135



162, 78, 175



0, 121, 24

Square

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



162, 78, 175



182, 116, 26



1, 97, 130



0, 79, 195

Rectangle

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



162, 78, 175



203, 55, 92



1, 97, 130



0, 68, 135

Sweetspot

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



162, 78, 175



222, 188, 227



78, 91, 175



112, 92, 115



242, 242, 242



115, 115, 115

Same Dimension

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



162, 78, 175



207, 75, 227



175, 78, 141



86, 78, 87



130, 0, 150



20, 0, 23

Inverse Universe

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



175, 78, 91



227, 75, 95



78, 150, 175



87, 78, 79



150, 0, 20



23, 0, 3

Previews

White Background



This preview shows how the RYB color 162, 78, 175 looks on a white 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

Black Background



This preview shows how the RYB color 162, 78, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

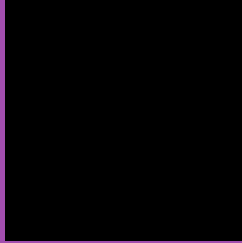
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 162, 78, 175 Background



This preview shows how black text looks on a background with the RYB color 162, 78, 175.

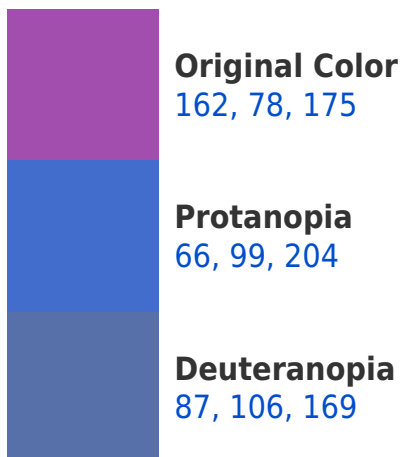


This preview shows how white text looks on a background with the RYB color 162, 78, 175.

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
153, 97, 104

Trichromacy



Original Color

162, 78, 175



Protanomaly

101, 98, 193



Deuteranomaly

114, 100, 171



Tritanomaly

156, 90, 130

Monochromacy



Original Color

162, 78, 175



Achromatopsia

114, 114, 114



Achromatomaly

131, 101, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 78, 175 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(162, 78, 175)` looks like.

```
.text, #text, p{  
    color:rgb(162, 78, 175)  
}
```

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(162, 78, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 78, 175) }
```

Border

The CSS property to change the border of an element to RYB 162, 78, 175 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(162, 78, 175) }
```

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

```
.border{ border-color:rgb(162, 78, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 78, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 78, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 78, 175); box-shadow:4px 4px 4px 4px rgb(162, 78, 175) }
```

Background

The CSS property to change the background color of an element to RYB 162, 78, 175 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 78, 175) }
```

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

```
.background{ background-color: rgb(162, 78,  
175) }
```

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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