

Converting Colors

`RYB(162, 43, 220)`

Have a look what the booklet for
RYB(162, 43, 220) contains.

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Color

RYP(162, 43, 220)

Conversions

Conversions Part 1

Format	Color
Hex	A22BDC
RGB	162, 43, 220
RGB Percent	64%, 17%, 86%
CMY	0.3647, 0.8314, 0.1373
CMYK	0.26, 0.80, 0.00, 0.14
HSL	280°, 72%, 52%
HSV	280°, 80%, 86%
XYZ	28.6824, 14.5764, 69.0119
YIQ	98.7590, 14.1070, 80.2750

Conversions

Conversions Part 2

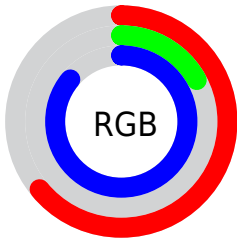
Format	Color
R_{YB}	162, 43, 220
Decimal	10628060
CIE _{Lab}	45.05, 72.23, -66.54
CIE _{LCh}	45, 98.212, 317.349
Yxy	14.5764, 0.2555, 0.1298
Android (android.graphics.Color)	4288818140 (0xFFA22BDC)
YUV	98.7590, 59.7718, 55.4624
Hunter-Lab	38.1791, 67.2865, -80.4463

Details

The RYB color **162, 43, 220** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **43, 220, 162**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **221, 104, 255**, and **104, 0, 164** is the 20% darker color. If you saturate the color by 10%, you get **155, 21, 220**, and if you desaturate by 10%, it is **169, 65, 220**.

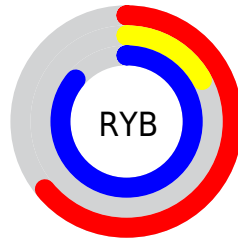
Distribution



Red (64%)

Green (17%)

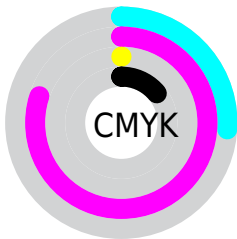
Blue (86%)



Red (64%)

Yellow (17%)

Blue (86%)

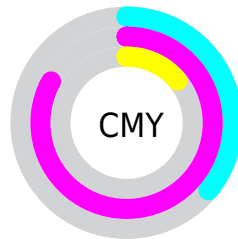


Cyan (26%)

Magenta (80%)

Yellow (0%)

Black (14%)



Cyan (36%)



















Magenta (83%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 43, 220 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, 43, 220 by changing the saturation by 10% instead.

 162, 43, 220	 162, 43, 220
 255, 255, 255	 133, 0, 192
 221, 104, 255	 104, 0, 164
 252, 132, 255	 74, 0, 137
 255, 161, 255	 43, 0, 110
 255, 189, 255	 0, 0, 85
 255, 219, 255	 0, 0, 61
 255, 248, 255	 0, 2, 38
	 0, 1, 15
	 0, 0, 0

■ 162, 43, 220

■ 162, 43, 220

■ 155, 21, 220

■ 169, 65, 220

■ 148, 0, 220

■ 176, 87, 220

■ 184, 109, 220

■ 191, 131, 220

■ 198, 153, 220

■ 205, 175, 220

■ 212, 197, 220

■ 220, 219, 220

■ 220, 241, 234

Harmonies

Analogous

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



0, 73, 255



162, 43, 220



228, 0, 145

Triad

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



162, 43, 220



116, 158, 0



0, 73, 154

Complementary

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



162, 43, 220



43, 220, 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, 90, 135



162, 43, 220



0, 117, 32

Square

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



162, 43, 220



212, 28, 0



0, 130, 130



0, 86, 228

Rectangle

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



162, 43, 220



241, 0, 91



0, 130, 130



0, 71, 137

Sweetspot

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



162, 43, 220



235, 194, 255



43, 87, 220



115, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



162, 43, 220



174, 8, 255



220, 43, 190



106, 99, 110



117, 0, 173



31, 0, 46

Inverse Universe

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



220, 43, 101



255, 8, 89



43, 194, 220



110, 99, 102



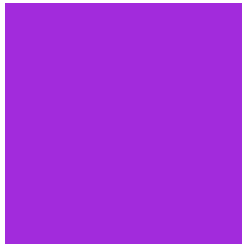
173, 0, 57



46, 0, 15

Previews

White Background



This preview shows how the RYB color 162, 43, 220 looks on a white background.

Color Contrast Check

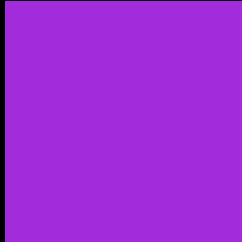
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

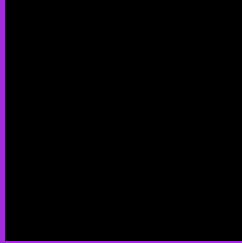
Any Text WCAG AA × Fail

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](#).

RYP 162, 43, 220 Background



This preview shows how black text looks on a background with the RYP color 162, 43, 220.

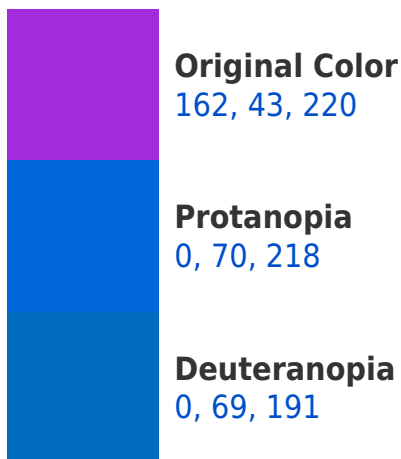


This preview shows how white text looks on a background with the RYP color 162, 43, 220.

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





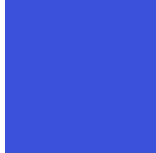
Tritanopia
142, 93, 100

Trichromacy



Original Color

162, 43, 220



Protanomaly

59, 78, 219



Deuteranomaly

59, 81, 202



Tritanomaly

149, 75, 144

Monochromacy



Original Color

162, 43, 220



Achromatopsia

99, 99, 99



Achromatomaly

122, 79, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 43, 220 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, 43, 220)` looks like.

```
.text, #text, p{  
    color:rgb(162, 43, 220)  
}
```

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, 43, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 43, 220) }
```

Border

The CSS property to change the border of an element to RYB 162, 43, 220 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, 43, 220) }
```

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

```
.border{ border-color:rgb(162, 43, 220) }
```

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

Here you see how a box with a 4 pixel rgb(162, 43, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 43, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 43, 220);  
box-shadow:4px 4px 4px 4px rgb(162, 43,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 162, 43, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 43, 220) }
```

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

```
.background{ background-color: rgb(162, 43,  
220) }
```

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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