

Converting Colors

`RYB(149, 70, 185)`

Have a look what the booklet for
RYB(149, 70, 185) contains.

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Color

R_YB(149, 70, 185)

Conversions

Conversions Part 1

Format	Color
Hex	9546B9
RGB	149, 70, 185
RGB Percent	58%, 27%, 73%
CMY	0.4157, 0.7255, 0.2745
CMYK	0.19, 0.62, 0.00, 0.27
HSL	281°, 45%, 50%
HSV	281°, 62%, 73%
XYZ	23.3415, 14.2727, 47.4236
YIQ	106.7310, 10.1690, 52.5130

Conversions

Conversions Part 2

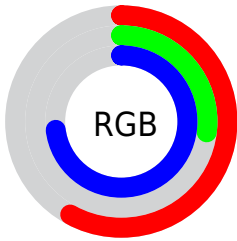
Format	Color
R_{YB}	149, 70, 185
Decimal	9782969
CIE _{Lab}	44.62, 51.81, -47.08
CIE _{LCh}	45, 70.010, 317.738
Yxy	14.2727, 0.2745, 0.1678
Android (android.graphics.Color)	4287973049 (0xFF9546B9)
YUV	106.7310, 38.5866, 37.0699
Hunter-Lab	37.7792, 44.1711, -47.9804

Details

The RYB color **149, 70, 185** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **70, 185, 149**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **206, 123, 242**, and **94, 12, 131** is the 20% darker color. If you saturate the color by 10%, you get **143, 52, 185**, and if you desaturate by 10%, it is **155, 89, 185**.

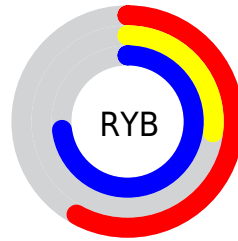
Distribution



Red (58%)

Green (27%)

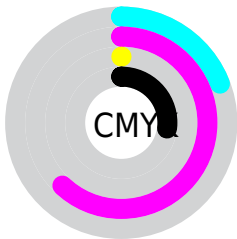
Blue (73%)



Red (58%)

Yellow (27%)

Blue (73%)

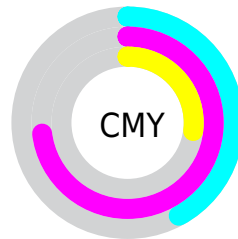


Cyan (19%)

Magenta (62%)

Yellow (0%)

Black (27%)



Cyan (42%)


Magenta (73%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 149, 70, 185 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 149, 70, 185 by changing the saturation by 10% instead.

 149, 70, 185

255, 255, 255

 206, 123, 242


 235, 150, 255

 255, 177, 255

 255, 206, 255


 255, 234, 255


 149, 70, 185

 121, 43, 158

 94, 12, 131

 68, 0, 105

 41, 0, 81

 12, 0, 57

 0, 2, 34

 0, 0, 8

 0, 0, 0

 149, 70, 185

 149, 70, 185

■ 143, 52, 185

■ 155, 89, 185

■ 137, 33, 185

■ 161, 107, 185

■ 132, 14, 185

■ 166, 126, 185

■ 127, 0, 185

■ 172, 144, 185

■ 178, 163, 185

■ 184, 181, 185

■ 185, 200, 195

■ 185, 218, 208

■ 185, 237, 221

Harmonies

Analogous

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



0, 69, 218



149, 70, 185



195, 30, 132

Triad

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



149, 70, 185



85, 148, 0



0, 67, 140

Complementary

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



149, 70, 185



70, 185, 149

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, 80, 129



149, 70, 185



0, 113, 17

Square

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



149, 70, 185



186, 86, 14



0, 117, 124



0, 77, 192

Rectangle

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



149, 70, 185



205, 18, 93



0, 117, 124



0, 68, 130

Sweetspot

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



149, 70, 185



225, 194, 240



70, 97, 185



111, 92, 120



247, 247, 247



120, 120, 120

Same Dimension

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



149, 70, 185



183, 60, 240



185, 70, 164



89, 83, 92



107, 0, 156



19, 0, 28

Inverse Universe

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



185, 70, 106



240, 60, 116



70, 167, 185



92, 83, 85



156, 0, 49



28, 0, 9

Previews

White Background



This preview shows how the RYB color 149, 70, 185 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 149, 70, 185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

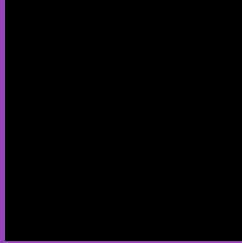
Any Text WCAG AA × Fail

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 149, 70, 185 Background



This preview shows how black text looks on a background with the RYB color 149, 70, 185.

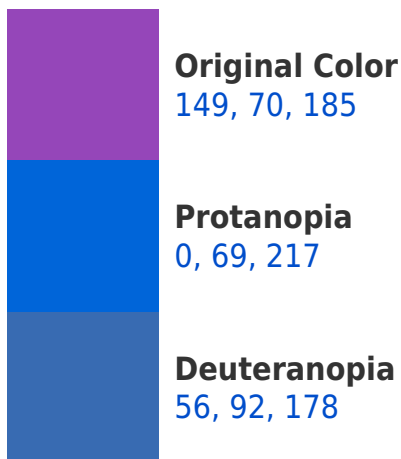


This preview shows how white text looks on a background with the RYB color 149, 70, 185.

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
136, 94, 101

Trichromacy



Original Color

149, 70, 185



Protanomaly

54, 83, 205



Deuteranomaly

90, 94, 181



Tritanomaly

141, 85, 132

Monochromacy



Original Color

149, 70, 185



Achromatopsia

107, 107, 107



Achromatomaly

122, 94, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 149, 70, 185 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(149, 70, 185)` looks like.

```
.text, #text, p{  
    color:rgb(149, 70, 185)  
}
```

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(149, 70, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 70, 185) }
```

Border

The CSS property to change the border of an element to RYB 149, 70, 185 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(149, 70, 185) }
```

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

```
.border{ border-color:rgb(149, 70, 185) }
```

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

Here you see how a box with a 4 pixel rgb(149, 70, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 70, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 70, 185);  
box-shadow:4px 4px 4px 4px rgb(149, 70,  
185) }
```

Background

The CSS property to change the background color of an element to RYB 149, 70, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 70, 185) }
```

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

```
.background{ background-color: rgb(149, 70,  
185) }
```

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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