

Converting Colors

`RYB(149, 81, 165)`

Have a look what the booklet for
RYB(149, 81, 165) contains.

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Color

R_YB(149, 81, 165)

Conversions

Conversions Part 1

Format	Color
Hex	9551A5
RGB	149, 81, 165
RGB Percent	58%, 32%, 65%
CMY	0.4157, 0.6824, 0.3529
CMYK	0.10, 0.51, 0.00, 0.35
HSL	289°, 34%, 48%
HSV	289°, 51%, 65%
XYZ	22.1284, 14.9910, 37.3246
YIQ	110.9080, 13.5640, 40.5400

Conversions

Conversions Part 2

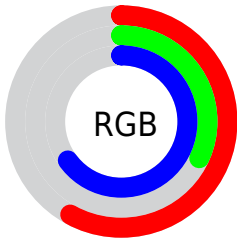
Format	Color
R_{YB}	149, 81, 165
Decimal	9785765
CIE _{Lab}	45.62, 41.98, -33.73
CIE _{LCh}	46, 53.850, 321.221
Yxy	14.9910, 0.2972, 0.2014
Android (android.graphics.Color)	4287975845 (0xFF9551A5)
YUV	110.9080, 26.6674, 33.4067
Hunter-Lab	38.7183, 34.2600, -30.0531

Details

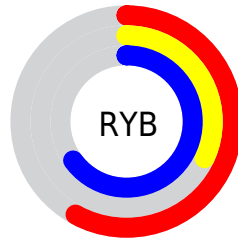
The RYB color **149, 81, 165** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **81, 165, 149**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **205, 133, 220**, and **96, 31, 113** is the 20% darker color. If you saturate the color by 10%, you get **146, 64, 165**, and if you desaturate by 10%, it is **152, 97, 165**.

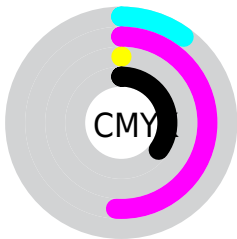
Distribution



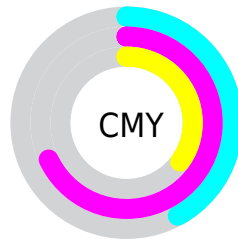
- Red (58%)
- Green (32%)
- Blue (65%)



- Red (58%)
- Yellow (32%)
- Blue (65%)



- Cyan (10%)
- Magenta (51%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (68%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 149, 81, 165 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, 81, 165 by changing the saturation by 10% instead.

 149, 81, 165

255, 255, 255

 205, 133, 220

 234, 160, 249

 255, 187, 255

 255, 215, 255

 255, 244, 255


 149, 81, 165

 122, 56, 138

 96, 31, 113

 70, 0, 88

 46, 0, 64

 21, 0, 42

 0, 1, 19

 0, 0, 0

 149, 81, 165


 146, 64, 165


 149, 81, 165

 152, 97, 165


 143, 48, 165

 155, 114, 165

 140, 31, 165

 158, 131, 165

 136, 15, 165

 162, 147, 165

 134, 0, 165

 165, 163, 165

 165, 180, 177

 165, 196, 190

 165, 213, 204

 165, 229, 217

Harmonies

Analogous

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



80, 98, 192



149, 81, 165



182, 64, 123

Triad

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



149, 81, 165



56, 141, 0



0, 67, 139

Complementary

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



149, 81, 165



81, 165, 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, 74, 128



149, 81, 165



3, 115, 19

Square

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



149, 81, 165



172, 104, 38



38, 115, 124



0, 74, 178

Rectangle

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



149, 81, 165



188, 62, 93



38, 115, 124



0, 66, 129

Sweetspot

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



149, 81, 165



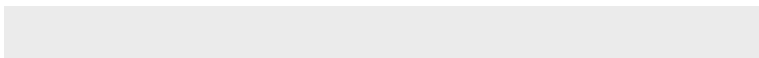
208, 182, 214



81, 95, 165



103, 88, 107



235, 235, 235



107, 107, 107

Same Dimension

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



149, 81, 165



189, 84, 214



165, 81, 140



80, 73, 82



118, 0, 145



14, 0, 18

Inverse Universe

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



165, 81, 97



214, 84, 108



81, 146, 165



82, 73, 75



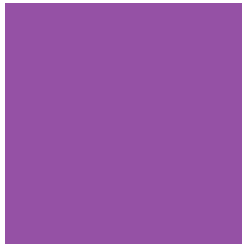
145, 0, 28



18, 0, 3

Previews

White Background



This preview shows how the RYB color 149, 81, 165 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, 81, 165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

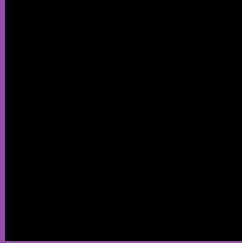
Any Text WCAG AA × Fail

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, 81, 165 Background



This preview shows how black text looks on a background with the RYB color 149, 81, 165.

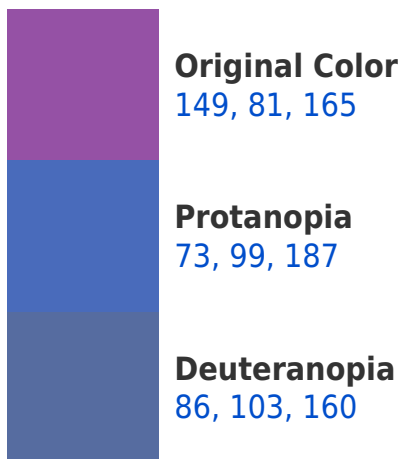


This preview shows how white text looks on a background with the RYB color 149, 81, 165.

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
140, 96, 103

Trichromacy



Original Color
149, 81, 165

Protanomaly
101, 97, 179

Deuteranomaly
109, 98, 162

Tritanomaly
143, 91, 126

Monochromacy



Original Color
149, 81, 165

Achromatopsia
111, 111, 111

Achromatomaly
125, 100, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 149, 81, 165 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, 81, 165)` looks like.

```
.text, #text, p{  
    color:rgb(149, 81, 165)  
}
```

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, 81, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 81, 165) }
```

Border

The CSS property to change the border of an element to RYB 149, 81, 165 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, 81, 165) }
```

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

```
.border{ border-color:rgb(149, 81, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 81, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 81, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 81, 165); box-shadow:4px 4px 4px 4px rgb(149, 81, 165) }
```

Background

The CSS property to change the background color of an element to RYB 149, 81, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 81, 165) }
```

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

```
.background{ background-color: rgb(149, 81,  
165) }
```

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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