

Converting Colors

`RYB(166, 110, 149)`

Have a look what the booklet for
RYB(166, 110, 149) contains.

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Color

R_YB(166, 110, 149)

Conversions

Conversions Part 1

Format	Color
Hex	A66E95
RGB	166, 110, 149
RGB Percent	65%, 43%, 58%
CMY	0.3490, 0.5686, 0.4157
CMYK	0.00, 0.34, 0.10, 0.35
HSL	318°, 24%, 54%
HSV	318°, 34%, 65%
XYZ	26.7266, 21.4288, 31.1613
YIQ	131.1900, 20.8570, 24.0010

Conversions

Conversions Part 2

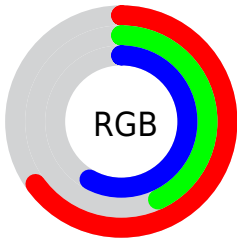
Format	Color
R_{YB}	166, 110, 149
Decimal	10907285
CIE _{Lab}	53.42, 28.37, -12.12
CIE _{LCh}	53, 30.846, 336.868
Yxy	21.4288, 0.3370, 0.2702
Android (android.graphics.Color)	4289097365 (0xFFA66E95)
YUV	131.1900, 8.7803, 30.5284
Hunter-Lab	46.2912, 22.0488, -7.5077

Details

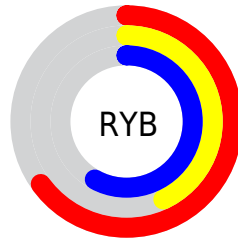
The RYB color **166, 110, 149** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **110, 153, 166**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **222, 162, 203**, and **113, 61, 98** is the 20% darker color. If you saturate the color by 10%, you get **166, 93, 144**, and if you desaturate by 10%, it is **166, 127, 154**.

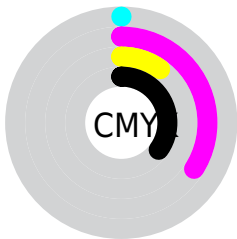
Distribution



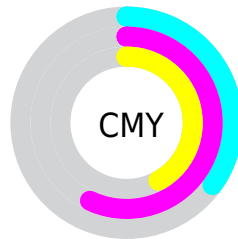
- Red (65%)
- Green (43%)
- Blue (58%)



- Red (65%)
- Yellow (43%)
- Blue (58%)



- Cyan (0%)
- Magenta (34%)
- Yellow (10%)
- Black (35%)



- Cyan (35%)
- Magenta (57%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the RYB color 166, 110, 149 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 166, 110, 149 by changing the saturation by 10% instead.

 166, 110, 149

255, 255, 255

 222, 162, 203

 251, 190, 231


 255, 218, 255


 255, 246, 255

 166, 110, 149

 139, 85, 123

 113, 61, 98

 88, 38, 74

 63, 14, 52

 41, 0, 31

 0, 0, 2

 0, 0, 0

 166, 110, 149


 166, 93, 144


 166, 110, 149

 166, 127, 154

 166, 77, 139

 166, 143, 159

 166, 60, 134


 166, 160, 164

 166, 44, 129

 166, 174, 176

 166, 27, 124

 166, 187, 193

 166, 10, 119

 166, 200, 210

 166, 0, 116

 166, 212, 226

 166, 225, 243

 166, 234, 255

Harmonies

Analogous

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



139, 118, 170



166, 110, 149



179, 107, 122

Triad

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



166, 110, 149



87, 139, 74



4, 77, 159

Complementary

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



166, 110, 149



110, 153, 166

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.



39, 93, 142



166, 110, 149



84, 135, 109

Square

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



166, 110, 149



162, 156, 79



78, 121, 140



51, 102, 176

Rectangle

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



166, 110, 149



179, 109, 105



78, 121, 140



9, 77, 151

Sweetspot

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



166, 110, 149



217, 195, 210



127, 110, 166



110, 96, 106



237, 237, 237



110, 110, 110

Same Dimension

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



166, 110, 149



217, 130, 190



166, 110, 121



84, 76, 82



148, 0, 103



20, 0, 14

Inverse Universe

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



166, 110, 149



217, 130, 190



110, 141, 166



84, 76, 82



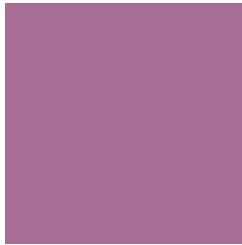
148, 0, 103



20, 0, 14

Previews

White Background



This preview shows how the RYB color 166, 110, 149 looks on a white background.

Color Contrast Check

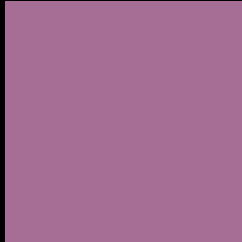
Large Text (above 18pt) WCAG AA ✓ Pass

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 166, 110, 149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

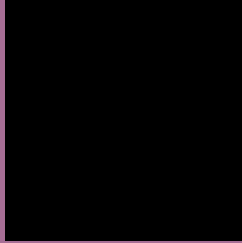
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 166, 110, 149 Background



This preview shows how black text looks on a background with the RYB color 166, 110, 149.

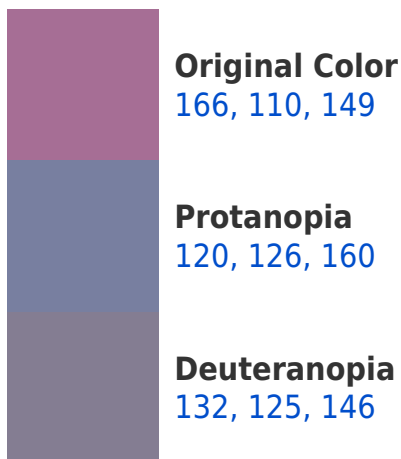



This preview shows how white text looks on a background with the RYB color 166, 110, 149.

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
163, 115, 124

Trichromacy



Original Color
166, 110, 149

Protanomaly
137, 121, 156

Deuteranomaly
144, 120, 147

Tritanomaly
164, 113, 133

Monochromacy



Original Color
166, 110, 149

Achromatopsia
131, 131, 131

Achromatomaly
144, 123, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 110, 149 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(166, 110, 149) looks like.

```
.text, #text, p{  
    color:rgb(166, 110, 149)  
}
```

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(166, 110, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 110, 149) }
```

Border

The CSS property to change the border of an element to RYB 166, 110, 149 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(166, 110, 149) }
```

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

```
.border{ border-color:rgb(166, 110, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 110, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 110, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 110, 149);  
box-shadow:4px 4px 4px 4px rgb(166, 110,  
149) }
```

Background

The CSS property to change the background color of an element to RYB 166, 110, 149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 110, 149) }
```

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

```
.background{ background-color: rgb(166,  
110, 149) }
```

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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