

Converting Colors

`RYB(158, 65, 146)`

Have a look what the booklet for
RYB(158, 65, 146) contains.

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Color

R_YB(158, 65, 146)

Conversions

Conversions Part 1

Format	Color
Hex	9E4192
RGB	158, 65, 146
RGB Percent	62%, 25%, 57%
CMY	0.3804, 0.7451, 0.4275
CMYK	0.00, 0.59, 0.08, 0.38
HSL	308°, 42%, 44%
HSV	308°, 59%, 62%
XYZ	21.1792, 13.1250, 28.6112
YIQ	102.0410, 29.4270, 44.9070

Conversions

Conversions Part 2

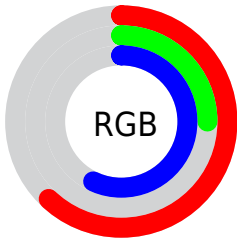
Format	Color
R_{YB}	158, 65, 146
Decimal	10371474
CIE _{Lab}	42.95, 49.03, -26.46
CIE _{LCh}	43, 55.715, 331.643
Yxy	13.1250, 0.3366, 0.2086
Android (android.graphics.Color)	4288561554 (0xFF9E4192)
YUV	102.0410, 21.6718, 49.0760
Hunter-Lab	36.2285, 40.9513, -21.4640

Details

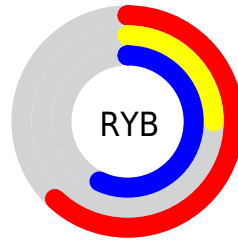
The RYB color **158, 65, 146** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **65, 147, 158**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **215, 118, 200**, and **104, 1, 95** is the 20% darker color. If you saturate the color by 10%, you get **158, 49, 144**, and if you desaturate by 10%, it is **158, 81, 148**.

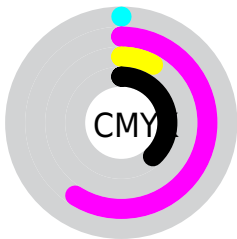
Distribution



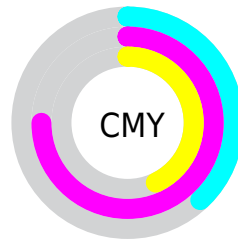
- Red (62%)
- Green (25%)
- Blue (57%)



- Red (62%)
- Yellow (25%)
- Blue (57%)



- Cyan (0%)
- Magenta (59%)
- Yellow (8%)
- Black (38%)



- Cyan (38%)
- Magenta (75%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 65, 146 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 158, 65, 146 by changing the saturation by 10% instead.



158, 65, 146



158, 65, 146

255, 255, 255



131, 38, 120



215, 118, 200



104, 1, 95



244, 145, 228



78, 0, 71



255, 173, 255



53, 0, 48



255, 201, 255



25, 0, 27



255, 229, 255



0, 0, 0



158, 65, 146



158, 65, 146



158, 49, 144




158, 81, 148



158, 33, 142




158, 97, 150


 158, 18, 140

 158, 112, 152

 158, 2, 138


 158, 128, 154

 158, 0, 138

 158, 144, 156

 158, 160, 160

 158, 174, 176

 158, 187, 191

 158, 202, 207

Harmonies

Analogous

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



102, 88, 181



158, 65, 146



181, 51, 101

Triad

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



158, 65, 146



24, 120, 0



0, 67, 149

Complementary

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



158, 65, 146



65, 147, 158

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, 66, 122



158, 65, 146



3, 112, 41

Square

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



158, 65, 146



156, 148, 12



0, 81, 119



0, 71, 182

Rectangle

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



158, 65, 146



182, 55, 70



0, 81, 119



0, 64, 134

Sweetspot

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



158, 65, 146



207, 169, 202



76, 65, 158



105, 82, 102



232, 232, 232



105, 105, 105

Same Dimension

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



158, 65, 146



207, 60, 188



158, 65, 101



79, 71, 78



143, 0, 124



15, 0, 13

Inverse Universe

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



158, 65, 146



207, 60, 188



65, 123, 158



79, 71, 78



143, 0, 124



15, 0, 13

Previews

White Background



This preview shows how the RYB color 158, 65, 146 looks on a white background.

Color Contrast Check

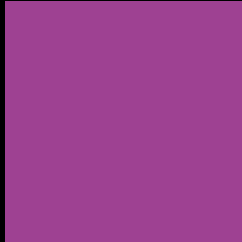
Large Text (above 18pt) WCAG AA ✓ Pass

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 158, 65, 146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

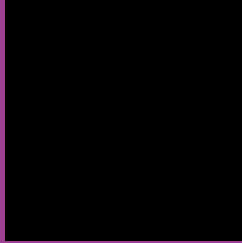
Any Text WCAG AA × Fail

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 158, 65, 146 Background



This preview shows how black text looks on a background with the RYB color 158, 65, 146.

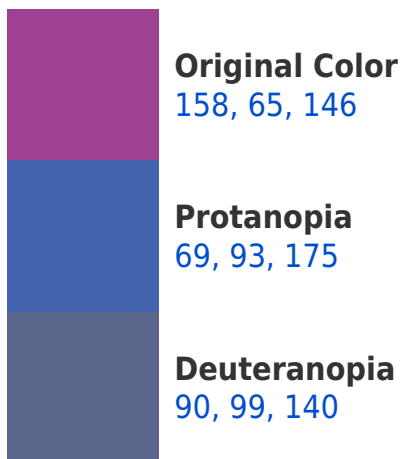


This preview shows how white text looks on a background with the RYB color 158, 65, 146.

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
151, 81, 86

Trichromacy



Original Color

158, 65, 146



Protanomaly

101, 87, 164



Deuteranomaly

115, 88, 142



Tritanomaly

154, 75, 108

Monochromacy



Original Color

158, 65, 146



Achromatopsia

102, 102, 102



Achromatomaly

122, 89, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 65, 146 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(158, 65, 146) looks like.

```
.text, #text, p{  
    color:rgb(158, 65, 146)  
}
```

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(158, 65, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 65, 146) }
```

Border

The CSS property to change the border of an element to RYB 158, 65, 146 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(158, 65, 146) }
```

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

```
.border{ border-color:rgb(158, 65, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 65, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 65, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 65, 146);  
box-shadow:4px 4px 4px 4px rgb(158, 65,  
146) }
```

Background

The CSS property to change the background color of an element to RYB 158, 65, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 65, 146) }
```

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

```
.background{ background-color: rgb(158, 65,  
146) }
```

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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