

Converting Colors

`RYB(158, 42, 164)`

Have a look what the booklet for
RYB(158, 42, 164) contains.

RYB(158, 42, 164)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYP(158, 42, 164)

Conversions

Conversions Part 1

Format	Color
Hex	9E2AA4
RGB	158, 42, 164
RGB Percent	62%, 16%, 64%
CMY	0.3804, 0.8353, 0.3569
CMYK	0.04, 0.74, 0.00, 0.36
HSL	297°, 59%, 40%
HSV	297°, 74%, 64%
XYZ	21.6294, 11.6054, 36.2220
YIQ	90.5920, 29.9740, 62.5340

Conversions

Conversions Part 2

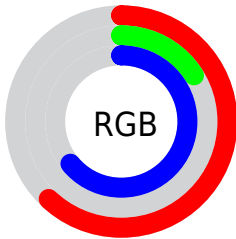
Format	Color
R_{YB}	158, 42, 164
Decimal	10365604
CIE _{Lab}	40.58, 61.37, -41.03
CIE _{LCh}	41, 73.823, 326.239
Yxy	11.6054, 0.3114, 0.1671
Android (android.graphics.Color)	4288555684 (0xFF9E2AA4)
YUV	90.5920, 36.1901, 59.1168
Hunter-Lab	34.0666, 53.7153, -39.1946

Details

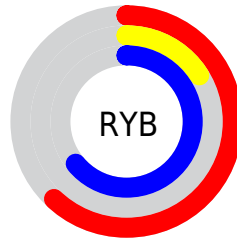
The RYB color **158, 42, 164** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **42, 164, 158**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **216, 100, 220**, and **102, 0, 111** is the 20% darker color. If you saturate the color by 10%, you get **157, 26, 164**, and if you desaturate by 10%, it is **159, 58, 164**.

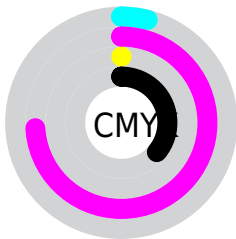
Distribution



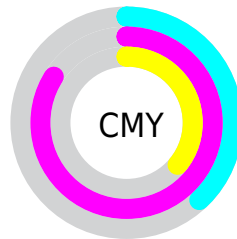
- Red (62%)
- Green (16%)
- Blue (64%)



- Red (62%)
- Yellow (16%)
- Blue (64%)



- Cyan (4%)
- Magenta (74%)
- Yellow (0%)
- Black (36%)



- Cyan (38%)
- Magenta (84%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 42, 164 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, 42, 164 by changing the saturation by 10% instead.



158, 42, 164



158, 42, 164

255, 255, 255



130, 0, 137



216, 100, 220



102, 0, 111



245, 128, 248



75, 0, 86



255, 156, 255



52, 0, 63



255, 184, 255



19, 0, 40



255, 213, 255



0, 1, 17



255, 242, 255



0, 0, 0



158, 42, 164



158, 42, 164




157, 26, 164





159, 58, 164


 156, 9, 164


 160, 75, 164


 156, 0, 164

 160, 91, 164

 161, 108, 164

 162, 124, 164

 163, 140, 164

 164, 157, 164

 164, 173, 173

 164, 190, 189

Harmonies

Analogous

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



60, 80, 206



158, 42, 164



194, 0, 106

Triad

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



158, 42, 164



45, 124, 0



0, 66, 148

Complementary

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



158, 42, 164



42, 164, 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, 69, 119



158, 42, 164



0, 107, 42

Square

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



158, 42, 164



167, 99, 0



0, 103, 116



0, 73, 197

Rectangle

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



158, 42, 164



197, 0, 66



0, 103, 116



0, 62, 128

Sweetspot

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



158, 42, 164



212, 167, 214



42, 48, 164



106, 79, 107



235, 235, 235



107, 107, 107

Same Dimension

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



158, 42, 164



205, 24, 214



164, 42, 109



81, 73, 82



138, 0, 145



17, 0, 18

Inverse Universe

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



164, 42, 48



214, 24, 33



42, 126, 164



82, 73, 74



145, 0, 7



18, 0, 1

Previews

White Background



This preview shows how the RYB color 158, 42, 164 looks on a white background.

Color Contrast Check

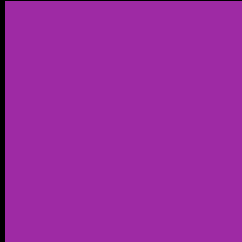
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42, 164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

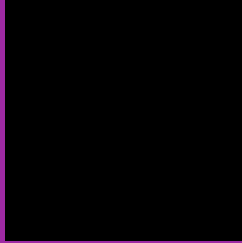
Any Text WCAG AA × Fail

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, 42, 164 Background



This preview shows how black text looks on a background with the RYB color 158, 42, 164.

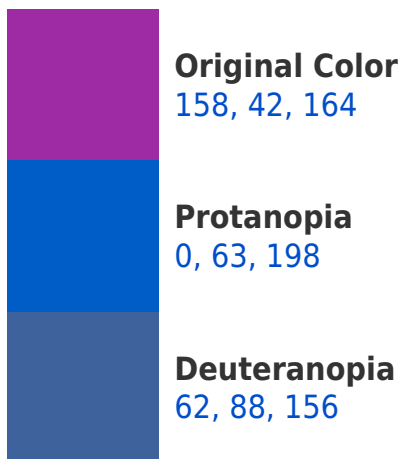


This preview shows how white text looks on a background with the RYB color 158, 42, 164.

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
148, 73, 78

Trichromacy



Original Color

158, 42, 164



Protanomaly

57, 72, 186



Deuteranomaly

97, 77, 159



Tritanomaly

152, 62, 109

Monochromacy



Original Color

158, 42, 164



Achromatopsia

91, 91, 91



Achromatomaly

115, 73, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 42, 164 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, 42, 164) looks like.

```
.text, #text, p{  
    color:rgb(158, 42, 164)  
}
```

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, 42, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 42, 164) }
```

Border

The CSS property to change the border of an element to RYB 158, 42, 164 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, 42, 164) }
```

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

```
.border{ border-color:rgb(158, 42, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 42, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 42, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 42, 164);  
box-shadow:4px 4px 4px 4px rgb(158, 42,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 158, 42, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 42, 164) }
```

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

```
.background{ background-color: rgb(158, 42,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor