

Converting Colors

`RYB(157, 45, 113)`

Have a look what the booklet for
RYB(157, 45, 113) contains.

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Color

`RYB(157, 45, 113)`

Conversions

Conversions Part 1

Format	Color
Hex	9D2D71
RGB	157, 45, 113
RGB Percent	62%, 18%, 44%
CMY	0.3843, 0.8235, 0.5569
CMYK	0.00, 0.71, 0.28, 0.38
HSL	324°, 55%, 40%
HSV	324°, 71%, 62%
XYZ	17.8236, 10.2371, 16.6593
YIQ	86.2400, 44.9240, 44.8920

Conversions

Conversions Part 2

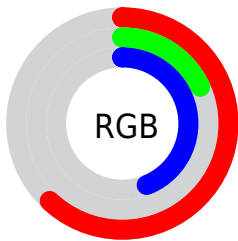
Format	Color
R_{YB}	157, 45, 113
Decimal	10300785
CIE _{Lab}	38.26, 52.29, -13.41
CIE _{LCh}	38, 53.984, 345.616
Yxy	10.2371, 0.3986, 0.2289
Android (android.graphics.Color)	4288490865 (0xFF9D2D71)
YUV	86.2400, 13.1927, 62.0565
Hunter-Lab	31.9955, 43.4444, -8.4741

Details

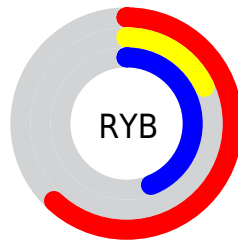
The RYB color **157, 45, 113** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **45, 125, 157**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **215, 100, 165**, and **102, 0, 65** is the 20% darker color. If you saturate the color by 10%, you get **157, 29, 107**, and if you desaturate by 10%, it is **157, 61, 119**.

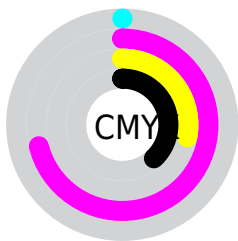
Distribution



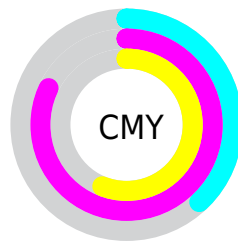
- Red (62%)
- Green (18%)
- Blue (44%)



- Red (62%)
- Yellow (18%)
- Blue (44%)



- Cyan (0%)
- Magenta (71%)
- Yellow (28%)
- Black (38%)



- Cyan (38%)
- Magenta (82%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 45, 113 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 157, 45, 113 by changing the saturation by 10% instead.

 157, 45, 113

 157, 45, 113

255, 255, 255

 129, 8, 88

 215, 100, 165

 102, 0, 65

 244, 127, 192

 75, 0, 43

 255, 155, 220

 51, 0, 23

 255, 183, 248

 4, 0, 0

 255, 211, 255

 0, 0, 0

 255, 241, 255

 157, 45, 113

 157, 45, 113

 157, 29, 107

 157, 61, 119

157, 14, 101

157, 76, 125

157, 0, 95

157, 92, 132

157, 108, 138

157, 124, 144

157, 139, 150

157, 155, 156

157, 167, 171

157, 178, 186

Harmonies

Analogous

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



120, 67, 152



157, 45, 113



167, 42, 69

Triad

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



157, 45, 113



0, 95, 7



0, 63, 152

Complementary

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



157, 45, 113



45, 125, 157

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, 55, 112



157, 45, 113



21, 104, 93

Square

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



157, 45, 113



75, 127, 0



0, 67, 108



0, 64, 175

Rectangle

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



157, 45, 113



161, 54, 42



0, 67, 108



0, 61, 140

Sweetspot

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



157, 45, 113



204, 161, 187



88, 45, 157



102, 77, 92



230, 230, 230



102, 102, 102

Same Dimension

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



157, 45, 113



204, 29, 135



157, 45, 58



79, 71, 76



143, 0, 87



15, 0, 9

Inverse Universe

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



157, 45, 113



204, 29, 135



45, 104, 157



79, 71, 76



143, 0, 87



15, 0, 9

Previews

White Background



This preview shows how the RYB color 157, 45, 113 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 157, 45, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

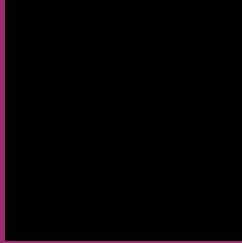
Any Text WCAG AA × Fail

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](#).

RYP 157, 45, 113 Background



This preview shows how black text looks on a background with the RYB color 157, 45, 113.

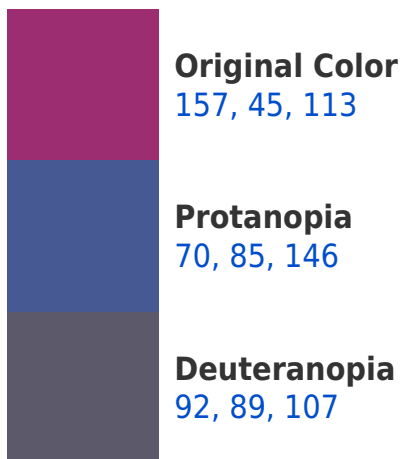


This preview shows how white text looks on a background with the RYB color 157, 45, 113.

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
153, 59, 63

Trichromacy



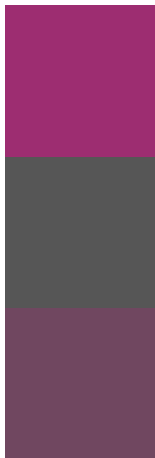
Original Color
157, 45, 113

Protanomaly
102, 73, 134

Deuteranomaly
116, 73, 109

Tritanomaly
154, 54, 81

Monochromacy



Original Color
157, 45, 113

Achromatopsia
86, 86, 86

Achromatomaly
112, 71, 96

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 45, 113 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(157, 45, 113)` looks like.

```
.text, #text, p{  
    color:rgb(157, 45, 113)  
}
```

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(157, 45, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 45, 113) }
```

Border

The CSS property to change the border of an element to RYB 157, 45, 113 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(157, 45, 113) }
```

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

```
.border{ border-color:rgb(157, 45, 113) }
```

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

Here you see how a box with a 4 pixel rgb(157, 45, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 45, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 45, 113);  
box-shadow:4px 4px 4px 4px rgb(157, 45,  
113) }
```

Background

The CSS property to change the background color of an element to RGB 157, 45, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 45, 113) }
```

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

```
.background{ background-color: rgb(157, 45,  
113) }
```

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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