

Converting Colors

`RYB(148, 113, 168)`

Have a look what the booklet for
RYB(148, 113, 168) contains.

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Color

R_YB(148, 113, 168)

Conversions

Conversions Part 1

Format	Color
Hex	9471A8
RGB	148, 113, 168
RGB Percent	58%, 44%, 66%
CMY	0.4196, 0.5569, 0.3412
CMYK	0.12, 0.33, 0.00, 0.34
HSL	278°, 24%, 55%
HSV	278°, 33%, 66%
XYZ	25.1858, 20.9333, 39.7589
YIQ	129.7350, 3.2050, 24.5250

Conversions

Conversions Part 2

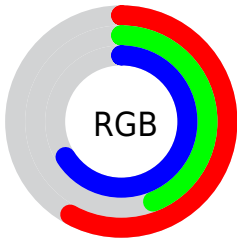
Format	Color
R_{YB}	148, 113, 168
Decimal	9728424
CIE _{Lab}	52.88, 24.27, -24.20
CIE _{LCh}	53, 34.272, 315.084
Yxy	20.9333, 0.2933, 0.2438
Android (android.graphics.Color)	4287918504 (0xFF9471A8)
YUV	129.7350, 18.8646, 16.0184
Hunter-Lab	45.7529, 18.1918, -19.4954

Details

The RYB color **148, 113, 168** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **113, 168, 148**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **203, 165, 223**, and **96, 64, 116** is the 20% darker color. If you saturate the color by 10%, you get **142, 96, 168**, and if you desaturate by 10%, it is **154, 130, 168**.

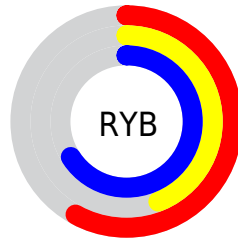
Distribution



Red (58%)

Green (44%)

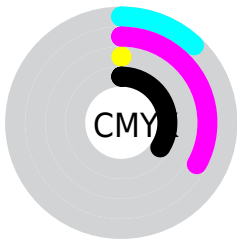
Blue (66%)



Red (58%)

Yellow (44%)

Blue (66%)

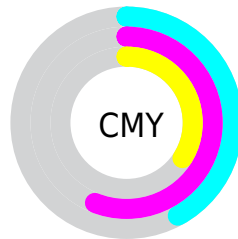


Cyan (12%)

Magenta (33%)

Yellow (0%)

Black (34%)



Cyan (42%)

Magenta (56%)

Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the RYB color 148, 113, 168 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 148, 113, 168 by changing the saturation by 10% instead.

 148, 113, 168

255, 255, 255

 203, 165, 223

 231, 192, 252

 255, 220, 255

 255, 249, 255

 148, 113, 168

 122, 88, 141

 96, 64, 116

 72, 42, 91

 48, 20, 67

 28, 0, 45

 0, 1, 23


 0, 0, 0


 148, 113, 168


 142, 96, 168


 148, 113, 168

 154, 130, 168


 136, 79, 168

 160, 147, 168

 130, 63, 168


 166, 163, 168

 124, 46, 168

 168, 180, 176

 117, 29, 168

 168, 197, 186

 111, 12, 168

 168, 214, 197

 107, 0, 168

 168, 231, 208

 168, 247, 218

 168, 255, 220

Harmonies

Analogous

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



106, 121, 183



148, 113, 168



174, 104, 142

Triad

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



148, 113, 168



138, 158, 69



0, 71, 142

Complementary

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



148, 113, 168



113, 168, 148

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.



57, 109, 141



148, 113, 168



69, 130, 68

Square

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



148, 113, 168



176, 117, 86



83, 137, 123



0, 76, 167

Rectangle

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



148, 113, 168



182, 102, 122



83, 137, 123



8, 78, 142

Sweetspot

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



148, 113, 168



211, 197, 219



113, 128, 168



105, 96, 110



237, 237, 237



110, 110, 110

Same Dimension

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



148, 113, 168



188, 134, 219



168, 113, 161



81, 76, 84



94, 0, 148



13, 0, 20

Inverse Universe

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



168, 113, 133



219, 134, 165



113, 162, 168



84, 76, 79



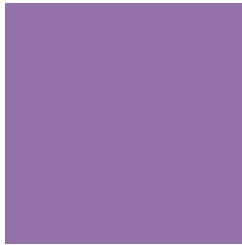
148, 0, 54



20, 0, 7

Previews

White Background



This preview shows how the RYB color 148, 113, 168 looks on a white background.

Color Contrast Check

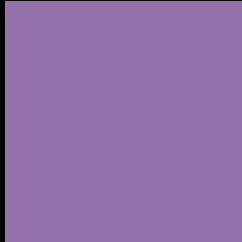
Large Text (above 18pt) WCAG AA ✓ Pass

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 148, 113, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

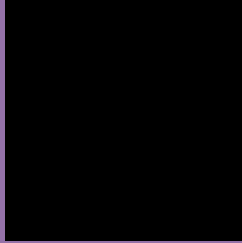
Any Text WCAG AA ✓ Pass

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 148, 113, 168 Background



This preview shows how black text looks on a background with the RYB color 148, 113, 168.

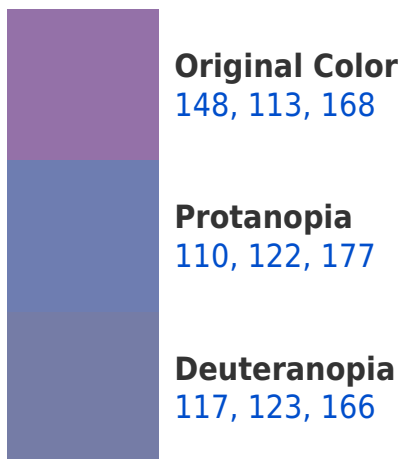



This preview shows how white text looks on a background with the RYB color 148, 113, 168.

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
142, 121, 130

Trichromacy



Original Color
148, 113, 168

Protanomaly
124, 121, 174

Deuteranomaly
128, 120, 167

Tritanomaly
144, 118, 144

Monochromacy



Original Color
148, 113, 168

Achromatopsia
130, 130, 130

Achromatomaly
137, 124, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 148, 113, 168 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(148, 113, 168)` looks like.

```
.text, #text, p{  
    color:rgb(148, 113, 168)  
}
```

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(148, 113, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 113, 168) }
```

Border

The CSS property to change the border of an element to RYB 148, 113, 168 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(148, 113, 168) }
```

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

```
.border{ border-color:rgb(148, 113, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 113, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 113, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 113, 168);  
box-shadow:4px 4px 4px 4px rgb(148, 113,  
168) }
```

Background

The CSS property to change the background color of an element to RYB 148, 113, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 113, 168) }
```

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

```
.background{ background-color: rgb(148,  
113, 168) }
```

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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