

Converting Colors

`RYB(150, 45, 128)`

Have a look what the booklet for
RYB(150, 45, 128) contains.

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Color

R_YB(150, 45, 128)

Conversions

Conversions Part 1

Format	Color
Hex	962D80
RGB	150, 45, 128
RGB Percent	59%, 18%, 50%
CMY	0.4118, 0.8235, 0.4980
CMYK	0.00, 0.70, 0.15, 0.41
HSL	313°, 54%, 38%
HSV	313°, 70%, 59%
XYZ	17.4123, 9.9193, 21.4190
YIQ	85.8570, 35.9370, 48.0730

Conversions

Conversions Part 2

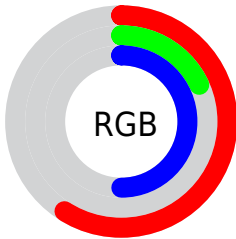
Format	Color
R_{YB}	150, 45, 128
Decimal	9842048
CIE _{Lab}	37.70, 52.52, -23.74
CIE _{LCh}	38, 57.633, 335.680
Yxy	9.9193, 0.3572, 0.2035
Android (android.graphics.Color)	4288032128 (0xFF962D80)
YUV	85.8570, 20.7765, 56.2534
Hunter-Lab	31.4949, 43.5696, -18.2753

Details

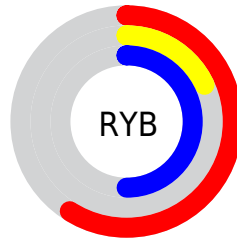
The RYB color **150, 45, 128** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **45, 132, 150**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **207, 100, 181**, and **96, 0, 78** is the 20% darker color. If you saturate the color by 10%, you get **150, 30, 125**, and if you desaturate by 10%, it is **150, 60, 131**.

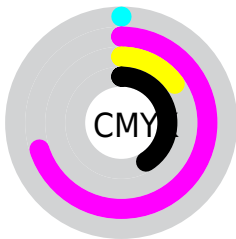
Distribution



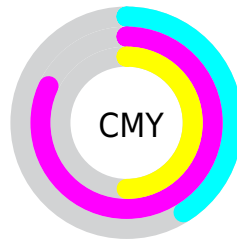
- Red (59%)
- Green (18%)
- Blue (50%)



- Red (59%)
- Yellow (18%)
- Blue (50%)



- Cyan (0%)
- Magenta (70%)
- Yellow (15%)
- Black (41%)




- Cyan (41%)
- Magenta (82%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the RYB color 150, 45, 128 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 150, 45, 128 by changing the saturation by 10% instead.

 150, 45, 128

255, 255, 255

 207, 100, 181

 236, 127, 209

 255, 154, 237

 255, 182, 255

 255, 211, 255

 255, 240, 255

 150, 45, 128

 122, 9, 103


 96, 0, 78

 69, 0, 55

 46, 0, 34

 0, 0, 6

 0, 0, 0

 150, 45, 128

 150, 30, 125

 150, 45, 128

 150, 60, 131

■ 150, 15, 122

■ 150, 75, 134

■ 150, 0, 119

■ 150, 90, 137

■ 150, 105, 141

■ 150, 120, 144

■ 150, 135, 147

■ 150, 150, 150

■ 150, 163, 165

■ 150, 175, 180

Harmonies

Analogous

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



98, 72, 165



150, 45, 128



169, 29, 82

Triad

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



150, 45, 128



11, 100, 0



0, 61, 142

Complementary

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



150, 45, 128



45, 132, 150

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, 58, 109



150, 45, 128



0, 101, 51

Square

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



150, 45, 128



127, 138, 0



0, 74, 107



0, 65, 174

Rectangle

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



150, 45, 128



167, 39, 52



0, 74, 107



0, 59, 128

Sweetspot

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



150, 45, 128



194, 153, 185



66, 45, 150



97, 73, 92



224, 224, 224



97, 97, 97

Same Dimension

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



150, 45, 128



194, 31, 160



150, 45, 77



74, 67, 72



138, 0, 109



10, 0, 8

Inverse Universe

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



150, 45, 128



194, 31, 160



45, 107, 150



74, 67, 72



138, 0, 109



10, 0, 8

Previews

White Background



This preview shows how the RYB color 150, 45, 128 looks on a white background.

Color Contrast Check

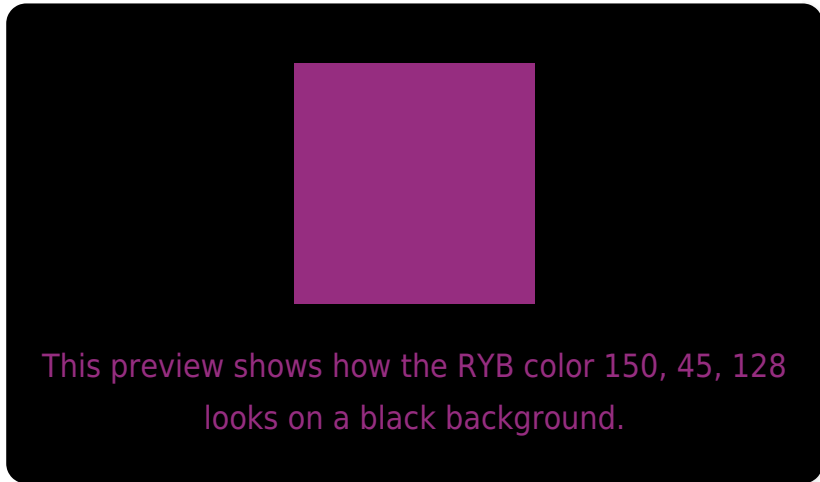
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

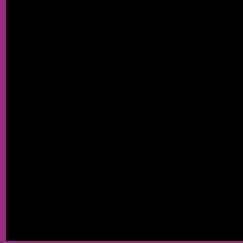
Any Text WCAG AA × Fail

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 150, 45, 128 Background



This preview shows how black text looks on a background with the RYP color 150, 45, 128.



This preview shows how white text looks on a background with the RYP color 150, 45, 128.

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



Original Color
150, 45, 128

Protanopia
52, 79, 163

Deuteranopia
80, 87, 122



Tritanopia
144, 63, 68

Trichromacy



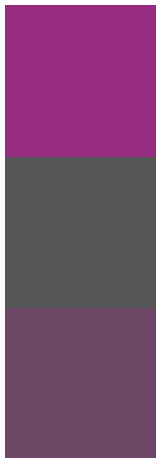
Original Color
150, 45, 128

Protanomaly
88, 72, 150

Deuteranomaly
105, 72, 124

Tritanomaly
146, 56, 90

Monochromacy



Original Color
150, 45, 128

Achromatopsia
86, 86, 86

Achromatomaly
109, 71, 101

CSS Examples

Text

The CSS property to change the color of the text to RYB 150, 45, 128 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(150, 45, 128)` looks like.

```
.text, #text, p{  
    color:rgb(150, 45, 128)  
}
```

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(150, 45, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 45, 128) }
```

Border

The CSS property to change the border of an element to RYB 150, 45, 128 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(150, 45, 128) }
```

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

```
.border{ border-color:rgb(150, 45, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 45, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 45, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 45, 128);  
box-shadow:4px 4px 4px 4px rgb(150, 45,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 150, 45, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 45, 128) }
```

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

```
.background{ background-color: rgb(150, 45,  
128) }
```

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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