

Converting Colors

`RYB(167, 44, 149)`

Have a look what the booklet for
RYB(167, 44, 149) contains.

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Color

R_YB(167, 44, 149)

Conversions

Conversions Part 1

Format	Color
Hex	A72C95
RGB	167, 44, 149
RGB Percent	65%, 17%, 58%
CMY	0.3451, 0.8275, 0.4157
CMYK	0.00, 0.74, 0.11, 0.35
HSL	309°, 58%, 41%
HSV	309°, 74%, 65%
XYZ	22.2618, 12.1868, 29.6127
YIQ	92.7470, 39.6030, 58.7310

Conversions

Conversions Part 2

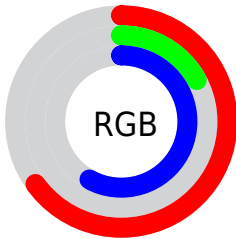
Format	Color
R_{YB}	167, 44, 149
Decimal	10955925
CIE Lab	41.51, 60.31, -30.42
CIE LCh	42, 67.552, 333.234
Yxy	12.1868, 0.3475, 0.1902
Android (android.graphics.Color)	4289146005 (0xFFA72C95)
YUV	92.7470, 27.7327, 65.1199
Hunter-Lab	34.9096, 52.7378, -25.8572

Details

The RYB color **167, 44, 149** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **44, 151, 167**, and the grayscale version is **92, 92, 92**.

A 20% lighter version of the original color is **225, 102, 203**, and **111, 0, 98** is the 20% darker color. If you saturate the color by 10%, you get **167, 27, 147**, and if you desaturate by 10%, it is **167, 61, 151**.

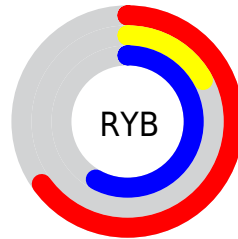
Distribution



Red (65%)

Green (17%)

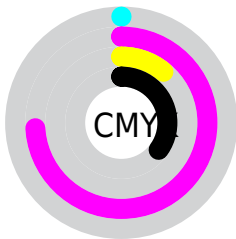
Blue (58%)



Red (65%)

Yellow (17%)

Blue (58%)

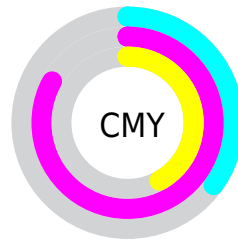


Cyan (0%)

Magenta (74%)

Yellow (11%)

Black (35%)



Cyan (35%)

Magenta (83%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 167, 44, 149 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 167, 44, 149 by changing the saturation by 10% instead.

 167, 44, 149

 167, 44, 149

255, 255, 255

 139, 0, 123

 225, 102, 203

 111, 0, 98

 255, 130, 232

 84, 0, 74

 255, 158, 255

 59, 0, 51

 255, 186, 255

 30, 0, 29

 255, 215, 255

 0, 0, 0

 255, 244, 255

 167, 44, 149

 167, 44, 149

 167, 27, 147

 167, 61, 151

■ 167, 11, 144

■ 167, 77, 154

■ 167, 0, 143

■ 167, 94, 156

■ 167, 111, 159

■ 167, 127, 161

■ 167, 144, 164

■ 167, 161, 166

■ 167, 176, 178

■ 167, 191, 194

Harmonies

Analogous

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



100, 80, 192



167, 44, 149



192, 8, 94

Triad

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



167, 44, 149



19, 114, 0



0, 69, 158

Complementary

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



167, 44, 149



44, 151, 167

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, 65, 121



167, 44, 149



0, 111, 56

Square

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



167, 44, 149



158, 143, 0



0, 86, 118



0, 73, 198

Rectangle

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



167, 44, 149



191, 28, 58



0, 86, 118



0, 65, 141

Sweetspot

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



167, 44, 149



217, 169, 210



60, 44, 167



110, 81, 105



237, 237, 237



110, 110, 110

Same Dimension

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



167, 44, 149



217, 26, 189



167, 44, 89



84, 76, 83



148, 0, 126



20, 0, 17

Inverse Universe

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



167, 44, 149



217, 26, 189



44, 119, 167



84, 76, 83



148, 0, 126



20, 0, 17

Previews

White Background



This preview shows how the RYB color 167, 44, 149 looks on a white background.

Color Contrast Check

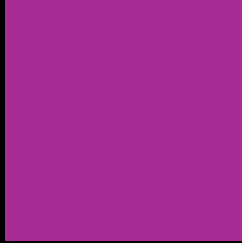
Large Text (above 18pt) WCAG AA ✓ Pass

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 167, 44, 149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

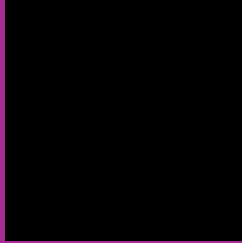
Any Text WCAG AA × Fail

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 167, 44, 149 Background



This preview shows how black text looks on a background with the RYB color 167, 44, 149.



This preview shows how white text looks on a background with the RYB color 167, 44, 149.

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
167, 44, 149

Protanopia
38, 80, 194

Deuteranopia
83, 95, 141



Tritanopia
160, 69, 74

Trichromacy



Original Color

167, 44, 149



Protanomaly

85, 77, 178



Deuteranomaly

114, 78, 144



Tritanomaly

163, 60, 101

Monochromacy



Original Color

167, 44, 149



Achromatopsia

93, 93, 93



Achromatomaly

120, 75, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 167, 44, 149 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(167, 44, 149)` looks like.

```
.text, #text, p{  
    color:rgb(167, 44, 149)  
}
```

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(167, 44, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 44, 149) }
```

Border

The CSS property to change the border of an element to RYB 167, 44, 149 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(167, 44, 149) }
```

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

```
.border{ border-color:rgb(167, 44, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 44, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 44, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 44, 149);  
box-shadow:4px 4px 4px 4px rgb(167, 44,  
149) }
```

Background

The CSS property to change the background color of an element to RYB 167, 44, 149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 44, 149) }
```

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

```
.background{ background-color: rgb(167, 44,  
149) }
```

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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