

Converting Colors

`RYB(176, 59, 132)`

Have a look what the booklet for
RYB(176, 59, 132) contains.

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Color

R_YB(176, 59, 132)

Conversions

Conversions Part 1

Format	Color
Hex	B03B84
RGB	176, 59, 132
RGB Percent	69%, 23%, 52%
CMY	0.3098, 0.7686, 0.4824
CMYK	0.00, 0.66, 0.25, 0.31
HSL	323°, 50%, 46%
HSV	323°, 66%, 69%
XYZ	23.6333, 14.0240, 23.2911
YIQ	102.3050, 46.2990, 47.5070

Conversions

Conversions Part 2

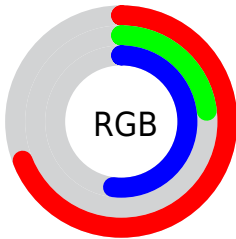
Format	Color
R_{YB}	176, 59, 132
Decimal	11549572
CIE _{Lab}	44.27, 54.64, -15.70
CIE _{LCh}	44, 56.850, 343.966
Yxy	14.0240, 0.3878, 0.2301
Android (android.graphics.Color)	4289739652 (0xFFB03B84)
YUV	102.3050, 14.6396, 64.6305
Hunter-Lab	37.4486, 47.1139, -10.6613

Details

The RYB color **176, 59, 132** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **59, 144, 176**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **234, 114, 185**, and **120, 0, 82** is the 20% darker color. If you saturate the color by 10%, you get **176, 41, 125**, and if you desaturate by 10%, it is **176, 77, 139**.

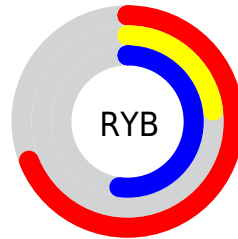
Distribution



Red (69%)

Green (23%)

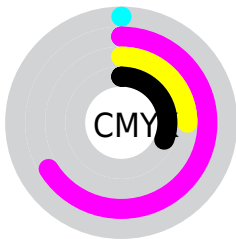
Blue (52%)



Red (69%)

Yellow (23%)

Blue (52%)

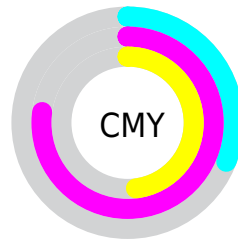


Cyan (0%)

Magenta (66%)

Yellow (25%)

Black (31%)



Cyan (31%)

Magenta (77%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 59, 132 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 176, 59, 132 by changing the saturation by 10% instead.



176, 59, 132



176, 59, 132

255, 255, 255



148, 28, 107



234, 114, 185



120, 0, 82



255, 142, 213



92, 0, 59



255, 169, 241



66, 0, 37



255, 198, 255



40, 0, 15



255, 227, 255



0, 0, 0



176, 59, 132



176, 59, 132



176, 41, 125



176, 77, 139



176, 24, 119



176, 94, 145

■ 176, 6, 112

■ 176, 112, 152

■ 176, 0, 110

■ 176, 129, 158

■ 176, 147, 165

■ 176, 165, 172

■ 176, 181, 182

■ 176, 193, 200

■ 176, 205, 217

Harmonies

Analogous

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



134, 81, 173



176, 59, 132



188, 54, 85

Triad

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



176, 59, 132



0, 109, 3



0, 72, 170

Complementary

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



176, 59, 132



59, 144, 176

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, 63, 126



176, 59, 132



28, 119, 98

Square

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



176, 59, 132



85, 147, 0



0, 77, 125



0, 73, 196

Rectangle

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



176, 59, 132



183, 66, 55



0, 77, 125



0, 69, 156

Sweetspot

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



176, 59, 132



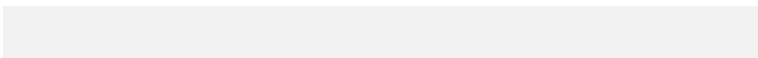
230, 184, 212



102, 59, 176



115, 87, 104



242, 242, 242



115, 115, 115

Same Dimension

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



176, 59, 132



230, 46, 160



176, 59, 75



89, 80, 86



153, 0, 95



26, 0, 16

Inverse Universe

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



176, 59, 132



230, 46, 160



59, 122, 176



89, 80, 86



153, 0, 95



26, 0, 16

Previews

White Background



This preview shows how the RYB color 176, 59, 132 looks on a white background.

Color Contrast Check

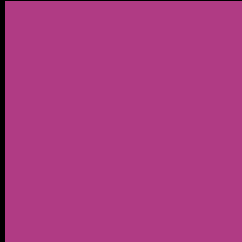
Large Text (above 18pt) WCAG AA ✓ Pass

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 176, 59, 132 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 176, 59, 132 Background



This preview shows how black text looks on a background with the RYB color 176, 59, 132.



This preview shows how white text looks on a background with the RYB color 176, 59, 132.

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
176, 59, 132

Protanopia
83, 99, 165

Deuteranopia
106, 103, 126



Tritanopia
171, 73, 78

Trichromacy



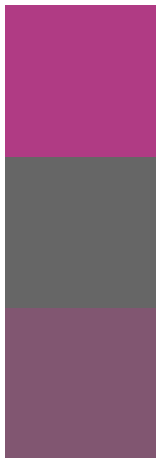
Original Color
176, 59, 132

Protanomaly
117, 87, 153

Deuteranomaly
131, 87, 128

Tritanomaly
173, 68, 98

Monochromacy



Original Color
176, 59, 132

Achromatopsia
102, 102, 102

Achromatomaly
129, 86, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 59, 132 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(176, 59, 132)` looks like.

```
.text, #text, p{  
    color:rgb(176, 59, 132)  
}
```

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(176, 59, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 59, 132) }
```

Border

The CSS property to change the border of an element to RYB 176, 59, 132 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(176, 59, 132) }
```

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

```
.border{ border-color:rgb(176, 59, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 59, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 59, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 59, 132);  
box-shadow:4px 4px 4px 4px rgb(176, 59,  
132) }
```

Background

The CSS property to change the background color of an element to RYB 176, 59, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 59, 132) }
```

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

```
.background{ background-color: rgb(176, 59,  
132) }
```

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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