

# Converting Colors

`RYB(69, 79, 132)`

Have a look what the booklet for  
RYB(69, 79, 132) contains.

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# Color

**R<sub>Y</sub>B(69, 79, 132)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	455184
RGB	69, 81, 132
RGB Percent	27%, 32%, 52%
CMY	0.7294, 0.6828, 0.4824
CMYK	0.48, 0.39, 0.00, 0.48
HSL	229°, 31%, 39%
HSV	229°, 48%, 52%
XYZ	9.5531, 8.7992, 23.0247
YIQ	83.2260, -23.5230, 13.3170

# Conversions

## Conversions Part 2

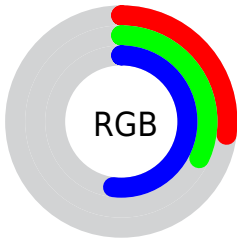
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 79, 132
Decimal	4542852
CIELab	35.59, 10.08, -30.20
CIELCh	36, 31.836, 288.462
Yxy	8.7992, 0.2309, 0.2127
Android (android.graphics.Color)	4282732932 (0xFF455184)
YUV	83.2260, 24.0456, -12.4762
Hunter-Lab	29.6634, 5.5750, -25.2564

# Details

The RYB color **69, 79, 132** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **84, 132, 69**, and the grayscale version is **83, 83, 83**.

A 20% lighter version of the original color is **121, 129, 185**, and **15, 32, 82** is the 20% darker color. If you saturate the color by 10%, you get **56, 68, 132**, and if you desaturate by 10%, it is **82, 90, 132**.

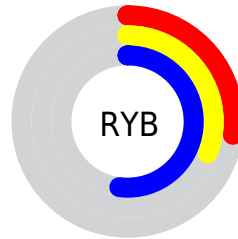
# Distribution



Red (27%)

Green (32%)

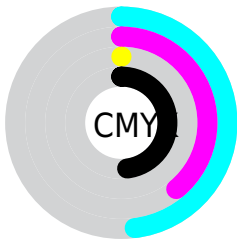
Blue (52%)



Red (27%)

Yellow (31%)

Blue (52%)

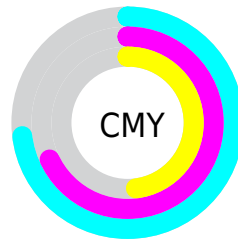


Cyan (48%)

Magenta (39%)

Yellow (0%)

Black (48%)



Cyan (73%)

Magenta (68%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 69, 79, 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 69, 79, 132 by changing the saturation by 10% instead.





69, 79, 132



69, 79, 132

255, 255, 255



43, 55, 107



121, 129, 185



15, 32, 82



147, 155, 213



0, 13, 59



175, 182, 242



0, 2, 37



203, 209, 255



0, 1, 13



231, 237, 255



0, 0, 0



69, 79, 132



69, 79, 132



56, 68, 132



82, 90, 132



43, 57, 132



95, 101, 132

■ 29, 46, 132

■ 109, 112, 132

■ 16, 34, 132

■ 122, 124, 132

■ 3, 23, 132

■ 134, 135, 132

■ 0, 21, 132

■ 136, 148, 132

■ 138, 161, 132

■ 142, 175, 132

■ 146, 188, 132

# Harmonies

## Analogous

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



0, 53, 133



69, 79, 132



105, 71, 118

# Triad

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



69, 79, 132



124, 78, 47



0, 55, 96

# Complementary

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



69, 79, 132



84, 132, 69

# 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.



49, 93, 88



69, 79, 132



78, 107, 33

# Square

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



69, 79, 132



131, 63, 69



33, 87, 37



0, 49, 99

# Rectangle

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



69, 79, 132



121, 65, 103



33, 87, 37



25, 70, 95



# Sweetspot

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



69, 79, 132



147, 150, 171



69, 104, 132



72, 75, 87



214, 214, 214



87, 87, 87



# Same Dimension

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



69, 79, 132



73, 89, 171



88, 69, 132



60, 61, 66



0, 21, 130



0, 0, 3



# Inverse Universe

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



132, 69, 81



171, 73, 92



69, 132, 88



66, 60, 61



130, 0, 25



3, 0, 0



# Previews

## White Background



This preview shows how the RYB color 69, 79, 132 looks on a white background.

## Color Contrast Check

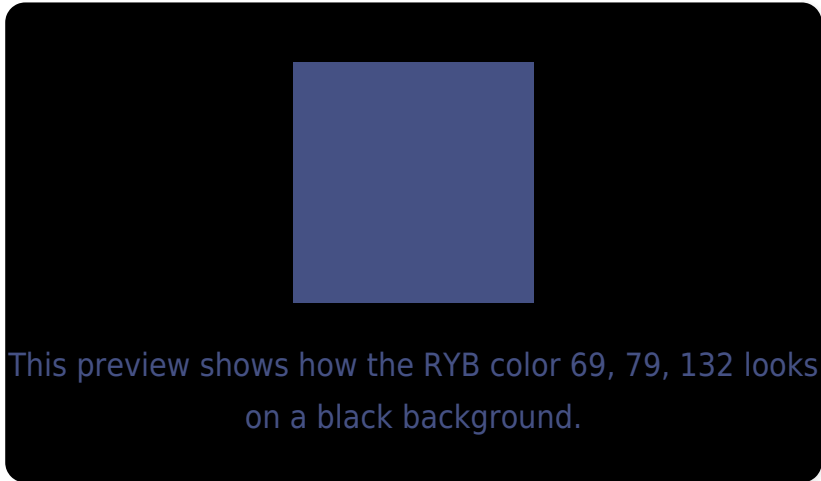
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

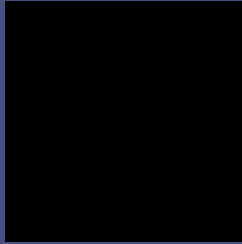
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R<sub>Y</sub>B 69, 79, 132 Background



This preview shows how black text looks on a background with the RYB color 69, 79, 132.



This preview shows how white text looks on a background with the RYB color 69, 79, 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


69, 79, 132

### Protanopia

64, 78, 133

### Deuteranopia

58, 77, 131



# Tritanopia

58, 75, 96

# Trichromacy



**Original Color**

69, 79, 132

**Protanomaly**

66, 79, 133

**Deuteranomaly**

62, 78, 131

**Tritanomaly**

62, 78, 109

# Monochromacy



**Original Color**

69, 79, 132

**Achromatopsia**

83, 83, 83

**Achromatomaly**

78, 81, 101

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 69, 79, 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(69, 81, 132) looks like.

```
.text, #text, p{  
    color:rgb(69, 81, 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(69, 81, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 81, 132) }
```

## Border

The CSS property to change the border of an element to RYB 69, 79, 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(69, 81, 132) }
```

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

```
.border{ border-color:rgb(69, 81, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 81, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 81, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 81, 132);  
box-shadow:4px 4px 4px 4px rgb(69, 81,  
132) }
```

# Background

The CSS property to change the background color of an element to RGB 69, 81, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 81, 132) }
```

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

```
.background{ background-color: rgb(69, 81,  
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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