

Converting Colors

`RYB(165, 164, 171)`

Have a look what the booklet for
RYB(165, 164, 171) contains.

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Color

R_YB(165, 164, 171)

Conversions

Conversions Part 1

Format	Color
Hex	A5A4AB
RGB	165, 164, 171
RGB Percent	65%, 64%, 67%
CMY	0.3529, 0.3569, 0.3294
CMYK	0.04, 0.04, 0.00, 0.33
HSL	249°, 4%, 66%
HSV	249°, 4%, 67%
XYZ	36.1432, 37.4905, 43.8595
YIQ	165.0970, -1.6510, 2.3890

Conversions

Conversions Part 2

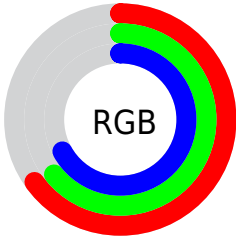
Format	Color
R _Y B	165, 164, 171
Decimal	10855595
CIE Lab	67.64, 1.71, -3.49
CIE LCh	68, 3.889, 296.089
Yxy	37.4905, 0.3076, 0.3191
Android (android.graphics.Color)	4289045675 (0xFFA5A4AB)
YUV	165.0970, 2.9102, -0.0851
Hunter-Lab	61.2295, -1.7848, 0.3904

Details

The RYB color **165, 164, 171** is a light color, and the websafe version is hex **999999**. A complement of this color would be **164, 171, 165**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **220, 219, 226**, and **113, 112, 119** is the 20% darker color. If you saturate the color by 10%, you get **150, 147, 171**, and if you desaturate by 10%, it is **171, 181, 172**.

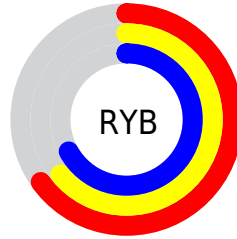
Distribution



Red (65%)

Green (64%)

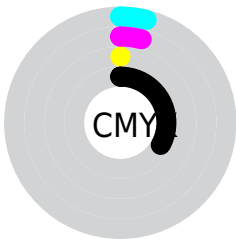
Blue (67%)



Red (65%)

Yellow (64%)

Blue (67%)

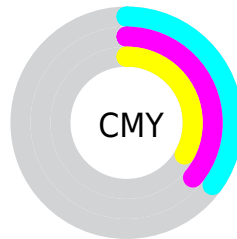


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 164, 171 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 165, 164, 171 by changing the saturation by 10% instead.

 165, 164, 171

255, 255, 255

 220, 219, 226

 248, 247, 255

 165, 164, 171

 139, 138, 145

 113, 112, 119

 89, 88, 94


 65, 65, 71

 43, 43, 48

 23, 22, 27

 0, 0, 0

 165, 164, 171

 150, 147, 171

 165, 164, 171

 171, 181, 172

■ 136, 130, 171

■ 171, 198, 175

■ 121, 113, 171

■ 171, 215, 177

■ 106, 96, 171

■ 171, 232, 179

■ 92, 79, 171

■ 171, 249, 182

■ 77, 61, 171

■ 171, 255, 173

■ 62, 44, 171

■ 171, 255, 171

■ 48, 27, 171

■ 33, 10, 171

Harmonies

Analogous

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



161, 164, 172



165, 164, 171



169, 163, 169

Triad

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



165, 164, 171



171, 165, 159



157, 163, 167

Complementary

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



165, 164, 171



164, 171, 165

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.



160, 165, 166



165, 164, 171



165, 168, 158

Square

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



165, 164, 171



173, 163, 162



158, 165, 159



156, 162, 168

Rectangle

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



165, 164, 171



171, 163, 167



158, 165, 159



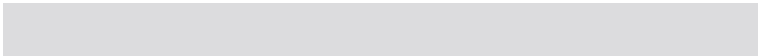
158, 164, 167

Sweetspot

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



165, 164, 171



220, 220, 222



164, 167, 171



111, 111, 112



240, 240, 240



112, 112, 112

Same Dimension

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



165, 164, 171



212, 211, 222



168, 164, 171



82, 81, 87



21, 0, 150



3, 0, 23

Inverse Universe

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



171, 164, 170



222, 211, 220



164, 171, 168



87, 81, 86



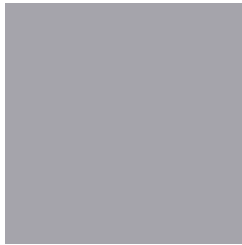
150, 0, 129



23, 0, 20

Previews

White Background



This preview shows how the RYB color 165, 164, 171 looks on a white background.

Color Contrast Check

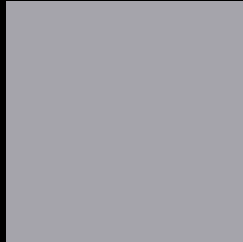
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 165, 164, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

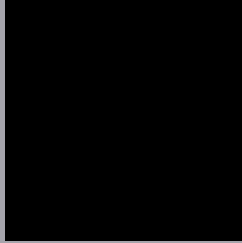
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

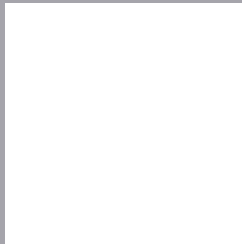
Any Text WCAG AAA ✓ Pass

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

RYB 165, 164, 171 Background



This preview shows how black text looks on a background with the RYB color 165, 164, 171.



This preview shows how white text looks on a background with the RYB color 165, 164, 171.

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
165, 164, 171

Protanopia
166, 164, 171

Deuteranopia
177, 160, 172



Tritanopia
166, 163, 176

Trichromacy



Original Color

165, 164, 171

Protanomaly

166, 164, 171

Deuteranomaly

173, 161, 172

Tritanomaly

166, 163, 174

Monochromacy



Original Color

165, 164, 171

Achromatopsia

165, 165, 165

Achromatomaly

165, 165, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 164, 171 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(165, 164, 171) looks like.

```
.text, #text, p{  
    color:rgb(165, 164, 171)  
}
```

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(165, 164, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 164, 171) }
```

Border

The CSS property to change the border of an element to RYB 165, 164, 171 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(165, 164, 171) }
```

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

```
.border{ border-color:rgb(165, 164, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 164, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 164, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 164, 171);  
box-shadow:4px 4px 4px 4px rgb(165, 164,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 165, 164, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 164, 171) }
```

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

```
.background{ background-color: rgb(165,  
164, 171) }
```

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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