

Converting Colors

`RYB(163, 164, 161)`

Have a look what the booklet for
RYB(163, 164, 161) contains.

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Color

RYB(163, 164, 161)

Conversions

Conversions Part 1

Format	Color
Hex	A4A3A1
RGB	164, 163, 161
RGB Percent	64%, 64%, 63%
CMY	0.3569, 0.3616, 0.3686
CMYK	0.00, 0.01, 0.02, 0.36
HSL	36°, 2%, 64%
HSV	36°, 2%, 64%
XYZ	34.8046, 36.5891, 38.9462
YIQ	163.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

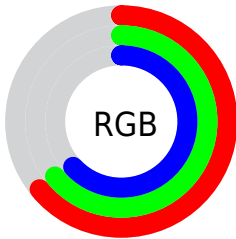
Format	Color
RYB	163, 164, 161
Decimal	10789793
CIELab	66.97, 0.09, 1.08
CIELCh	67, 1.081, 84.964
Yxy	36.5891, 0.3154, 0.3316
Android (android.graphics.Color)	4288979873 (0xFFA4A3A1)
YUV	163.0710, -1.0210, 0.8147
Hunter-Lab	60.4890, -3.1491, 4.1680

Details

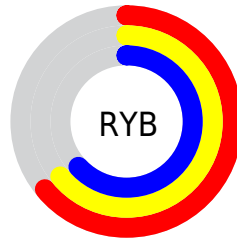
The RYB color **163, 164, 161** is a light color, and the websafe version is hex **999999**. A complement of this color would be **161, 162, 164**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **218, 219, 216**, and **112, 112, 110** is the 20% darker color. If you saturate the color by 10%, you get **159, 164, 145**, and if you desaturate by 10%, it is **164, 168, 177**.

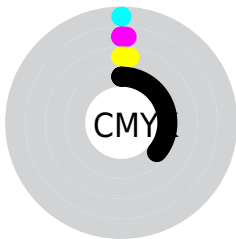
Distribution



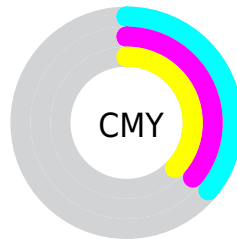
- Red (64%)
- Green (64%)
- Blue (63%)



- Red (64%)
- Yellow (64%)
- Blue (63%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (36%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 164, 161 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 163, 164, 161 by changing the saturation by 10% instead.


 163, 164, 161


255, 255, 255

 218, 219, 216

 246, 247, 244

 163, 164, 161

 137, 138, 135

 112, 112, 110

 87, 88, 85

 64, 65, 62

 42, 43, 40

 22, 22, 20


 0, 0, 0

 163, 164, 161


 159, 164, 145

 163, 164, 161

 164, 168, 177

 151, 164, 128


 164, 173, 194

 147, 164, 112

 164, 177, 210

 139, 164, 95


 164, 182, 227

 136, 164, 79


 164, 187, 243

 132, 164, 63


 164, 191, 255


 124, 164, 46

 164, 194, 255

 120, 164, 30

 164, 197, 255

 113, 164, 13

 164, 199, 255

Harmonies

Analogous

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



165, 165, 161



163, 164, 161



161, 163, 161

Triad

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



163, 164, 161



161, 163, 164



164, 162, 164

Complementary

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



163, 164, 161



161, 162, 164

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.



163, 163, 165



163, 164, 161



161, 162, 164

Square

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



163, 164, 161



161, 163, 164



162, 163, 165



165, 162, 163

Rectangle

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



163, 164, 161



162, 163, 163



162, 163, 165



164, 163, 164

Sweetspot

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



163, 164, 161



214, 214, 212



164, 161, 162



106, 107, 106



235, 235, 235



107, 107, 107

Same Dimension

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



163, 164, 161



214, 214, 210



161, 164, 161



82, 82, 80



97, 145, 0



11, 18, 0

Inverse Universe

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



161, 162, 164



210, 211, 214



161, 161, 164



80, 81, 82



0, 41, 145



0, 5, 18

Previews

White Background



This preview shows how the RYB color 163, 164, 161 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 RYB color 163, 164, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

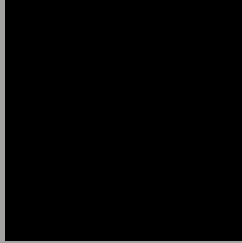
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

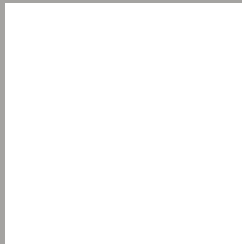
Any Text WCAG AAA ✓ Pass

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

RYB 163, 164, 161 Background



This preview shows how black text looks on a background with the RYB color 163, 164, 161.

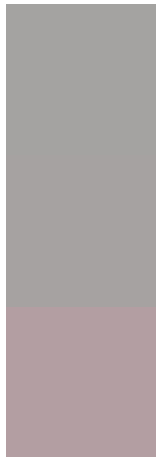


This preview shows how white text looks on a background with the RYB color 163, 164, 161.

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
[163](#), [164](#), [161](#)

Protanopia
[166](#), [162](#), [161](#)

Deuteranopia
[179](#), [158](#), [162](#)



Tritanopia
166, 161, 174

Trichromacy



Original Color

163, 164, 161

Protanomaly

165, 162, 161

Deuteranomaly

174, 160, 162

Tritanomaly

165, 162, 169

Monochromacy



Original Color

163, 164, 161

Achromatopsia

163, 163, 163

Achromatomaly

162, 163, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 164, 161 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(164, 163, 161) looks like.

```
.text, #text, p{  
    color:rgb(164, 163, 161)  
}
```

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(164, 163, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 163, 161) }
```

Border

The CSS property to change the border of an element to RYB 163, 164, 161 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(164, 163, 161) }
```

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

```
.border{ border-color:rgb(164, 163, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 163, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 163, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 163, 161);  
box-shadow:4px 4px 4px 4px rgb(164, 163,  
161) }
```

Background

The CSS property to change the background color of an element to RYB 163, 164, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 163, 161) }
```

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

```
.background{ background-color: rgb(164,  
163, 161) }
```

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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