

Converting Colors

`RYB(165, 190, 170)`

Have a look what the booklet for
RYB(165, 190, 170) contains.

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Color

R_YB(165, 190, 170)

Conversions

Conversions Part 1

Format	Color
Hex	B9BEA5
RGB	185, 190, 165
RGB Percent	73%, 75%, 65%
CMY	0.2745, 0.2549, 0.3529
CMYK	0.03, 0.00, 0.13, 0.25
HSL	72°, 16%, 70%
HSV	72°, 13%, 75%
XYZ	45.2126, 49.8578, 42.8379
YIQ	185.6550, 5.0450, -8.8350

Conversions

Conversions Part 2

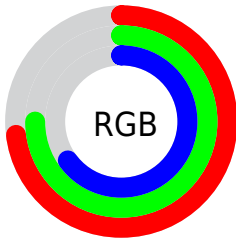
Format	Color
RYB	165, 190, 170
Decimal	12172965
CIELab	75.98, -6.16, 12.04
CIELCh	76, 13.525, 117.109
Yxy	49.8578, 0.3278, 0.3615
Android (android.graphics.Color)	4290363045 (0xFFB9BEA5)
YUV	185.6550, -10.1829, -0.5744
Hunter-Lab	70.6101, -9.2717, 13.4569

Details

The RYB color **165, 190, 170** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **170, 165, 190**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **220, 246, 225**, and **113, 137, 118** is the 20% darker color. If you saturate the color by 10%, you get **146, 190, 155**, and if you desaturate by 10%, it is **184, 190, 185**.

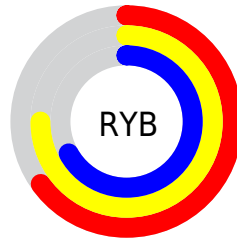
Distribution



Red (73%)

Green (75%)

Blue (65%)



Red (65%)

Yellow (75%)

Blue (67%)

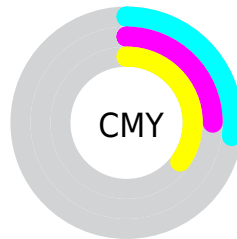


Cyan (3%)

Magenta (0%)

Yellow (13%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 190, 170 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, 190, 170 by changing the saturation by 10% instead.

■ 165, 190, 170

255, 255, 255

■ 220, 246, 225

■ 249, 255, 249

■ 165, 190, 170

■ 139, 163, 144

■ 113, 137, 118

■ 89, 111, 93

■ 65, 87, 70

■ 43, 64, 48

■ 22, 42, 27

■ 0, 22, 6

■ 0, 0, 0

■ 165, 190, 170

■ 165, 190, 170

 146, 190, 155


 184, 190, 185


 127, 190, 140


 193, 190, 203

 108, 190, 124


 196, 190, 222

 89, 190, 109

 200, 190, 241

 70, 190, 94

 204, 190, 255

 51, 190, 79


 208, 190, 255

 32, 190, 64

 212, 190, 255

 13, 190, 48

 215, 190, 255

 0, 190, 38

 219, 190, 255

Harmonies

Analogous

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



183, 199, 163



165, 190, 170



171, 191, 193

Triad

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



165, 190, 170



160, 179, 208



212, 179, 189

Complementary

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



165, 190, 170



170, 165, 190

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.



203, 181, 201



165, 190, 170



173, 184, 212

Square

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



165, 190, 170



155, 175, 198



188, 185, 209



214, 179, 176

Rectangle

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



165, 190, 170



163, 183, 194



188, 185, 209



210, 179, 193

Sweetspot

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



165, 190, 170



237, 247, 239



190, 171, 165



119, 125, 120



252, 252, 252



125, 125, 125

Same Dimension

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



165, 190, 170



208, 247, 216



165, 190, 182



85, 94, 87



0, 158, 32



0, 31, 7

Inverse Universe

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



170, 165, 190



216, 208, 247



183, 165, 190



87, 85, 94



32, 0, 158



6, 0, 31

Previews

White Background



This preview shows how the RYB color 165, 190, 170 looks on a white background.

Color Contrast Check

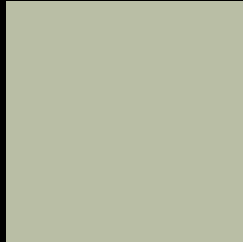
Large Text (above 18pt) WCAG AA × Fail

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 165, 190, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

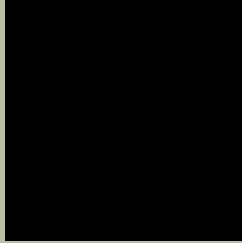
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

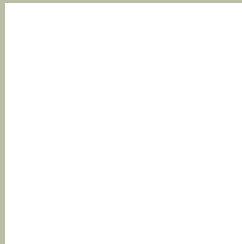
Any Text WCAG AAA ✓ Pass

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

RYB 165, 190, 170 Background



This preview shows how black text looks on a background with the RYB color 165, 190, 170.



This preview shows how white text looks on a background with the RYB color 165, 190, 170.

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, 190, 170

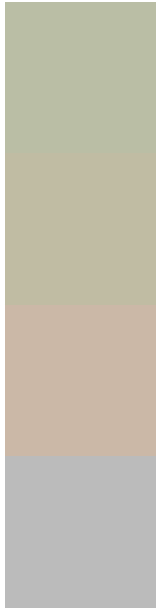
Protanopia
175, 196, 163

Deuteranopia
213, 185, 167



Tritanopia
190, 185, 200

Trichromacy



Original Color
165, 190, 170

Protanomaly
169, 192, 164

Deuteranomaly
203, 201, 166

Tritanomaly
188, 187, 187

Monochromacy



Original Color
165, 190, 170

Achromatopsia
186, 186, 186

Achromatomaly
178, 187, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 190, 170 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(185, 190, 165)` looks like.

```
.text, #text, p{  
    color:rgb(185, 190, 165)  
}
```

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(185, 190, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 190, 165) }
```

Border

The CSS property to change the border of an element to RYB 165, 190, 170 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(185, 190, 165) }
```

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

```
.border{ border-color:rgb(185, 190, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 190, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 190, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 190, 165);  
box-shadow:4px 4px 4px 4px rgb(185, 190,  
165) }
```

Background

The CSS property to change the background color of an element to RYB 165, 190, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 190, 165) }
```

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

```
.background{ background-color: rgb(185,  
190, 165) }
```

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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