

Converting Colors

`RYB(170, 190, 204)`

Have a look what the booklet for
RYB(170, 190, 204) contains.

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Color

$\text{RYB}(170, 190, 204)$

Conversions

Conversions Part 1

Format	Color
Hex	AACCC2
RGB	170, 204, 194
RGB Percent	67%, 80%, 76%
CMY	0.3333, 0.2000, 0.2400
CMYK	0.17, 0.00, 0.05, 0.20
HSL	162°, 25%, 73%
HSV	162°, 17%, 80%
XYZ	47.8856, 55.6178, 59.1327
YIQ	192.6940, -17.0540, -10.3180

Conversions

Conversions Part 2

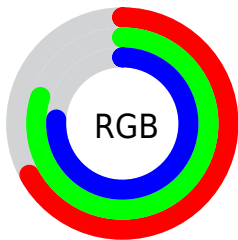
Format	Color
R _{YB}	170, 190, 204
Decimal	11193538
CIE Lab	79.40, -13.33, 1.30
CIE LCh	79, 13.397, 174.427
Yxy	55.6178, 0.2944, 0.3420
Android (android.graphics.Color)	4289383618 (0xFFAACC2)
YUV	192.6940, 0.6439, -19.9026
Hunter-Lab	74.5774, -15.8969, 5.1929

Details

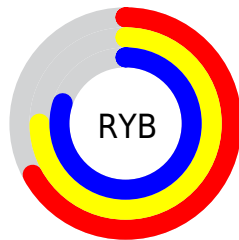
The RYB color **170, 190, 204** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **204, 170, 180**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **226, 242, 255**, and **117, 136, 150** is the 20% darker color. If you saturate the color by 10%, you get **150, 182, 204**, and if you desaturate by 10%, it is **190, 198, 204**.

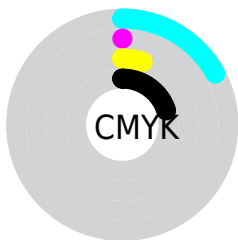
Distribution



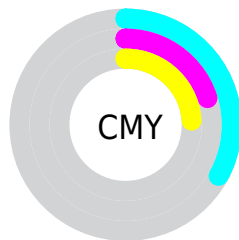
- Red (67%)
- Green (80%)
- Blue (76%)



- Red (67%)
- Yellow (75%)
- Blue (80%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)




- Cyan (33%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 190, 204 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 170, 190, 204 by changing the saturation by 10% instead.

 170, 190, 204


255, 255, 255


 226, 242, 255

254, 255, 255

 170, 190, 204

 143, 163, 177


 117, 136, 150

 92, 111, 124

 68, 86, 99

 45, 62, 75

 23, 39, 52

 1, 18, 31


 0, 0, 0


 170, 190, 204


 170, 190, 204

 150, 182, 204


 190, 198, 204

 129, 173, 204


 211, 204, 206

 109, 165, 204


 231, 204, 212

 88, 156, 204


 252, 204, 218

 68, 148, 204

 255, 204, 224

 48, 140, 204

 255, 204, 231

 27, 131, 204

 255, 204, 237

 7, 123, 204

 255, 204, 243

 0, 120, 204

 255, 204, 249

Harmonies

Analogous

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



181, 201, 202



170, 190, 204



165, 185, 206

Triad

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



170, 190, 204



196, 194, 219



219, 198, 177

Complementary

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



170, 190, 204



204, 170, 180

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.



224, 189, 187



170, 190, 204



211, 191, 211

Square

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



170, 190, 204



181, 193, 221



221, 188, 200



195, 209, 172

Rectangle

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



170, 190, 204



167, 187, 214



221, 188, 200



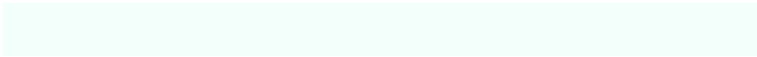
222, 193, 180

Sweetspot

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



170, 190, 204



242, 250, 255



170, 204, 194



120, 125, 128



0, 0, 0



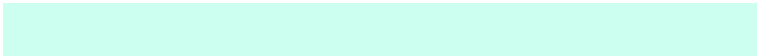
128, 128, 128

Same Dimension

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



170, 190, 204



204, 234, 255



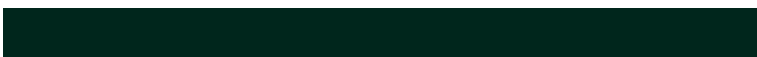
170, 185, 204



92, 98, 102



0, 98, 166



0, 22, 38

Inverse Universe

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



204, 170, 180



255, 204, 219



204, 179, 170



102, 92, 95



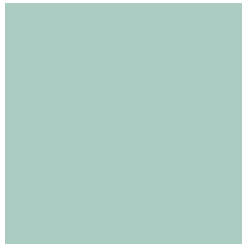
166, 0, 50



38, 0, 11

Previews

White Background



This preview shows how the RYB color 170, 190, 204 looks on a white background.

Color Contrast Check

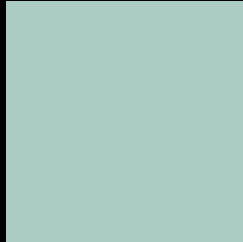
Large Text (above 18pt) WCAG AA × Fail

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 170, 190, 204 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

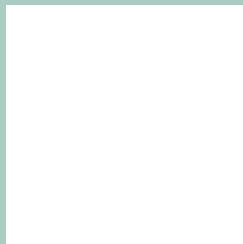
Any Text WCAG AAA ✓ Pass

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

RYB 170, 190, 204 Background



This preview shows how black text looks on a background with the RYB color 170, 190, 204.



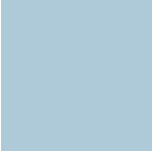
This preview shows how white text looks on a background with the RYB color 170, 190, 204.

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





Tritanopia
174, 191, 217

Trichromacy



Original Color

170, 190, 204

Protanomaly

190, 197, 198

Deuteranomaly

199, 195, 196

Tritanomaly

173, 189, 209

Monochromacy



Original Color

170, 190, 204

Achromatopsia

193, 193, 193

Achromatomaly

185, 192, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 190, 204 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(170, 204, 194)` looks like.

```
.text, #text, p{  
    color:rgb(170, 204, 194)  
}
```

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(170, 204, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 204, 194) }
```

Border

The CSS property to change the border of an element to RYB 170, 190, 204 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(170, 204, 194) }
```

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

```
.border{ border-color:rgb(170, 204, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 204, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 204, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 204, 194);  
box-shadow:4px 4px 4px 4px rgb(170, 204,  
194) }
```

Background

The CSS property to change the background color of an element to RYB 170, 190, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 204, 194) }
```

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

```
.background{ background-color: rgb(170,  
204, 194) }
```

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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