

Converting Colors

`RYB(172, 200, 204)`

Have a look what the booklet for
RYB(172, 200, 204) contains.

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Color

R_YB(172, 200, 204)

Conversions

Conversions Part 1

Format	Color
Hex	ACCCB1
RGB	172, 204, 177
RGB Percent	67%, 80%, 69%
CMY	0.3255, 0.2000, 0.3076
CMYK	0.16, 0.00, 0.13, 0.20
HSL	129°, 24%, 74%
HSV	129°, 16%, 80%
XYZ	46.4993, 55.1136, 49.5586
YIQ	191.3540, -10.4050, -15.1810

Conversions

Conversions Part 2

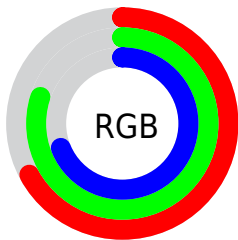
Format	Color
RYB	172, 200, 204
Decimal	11324593
CIELab	79.11, -15.96, 10.13
CIELCh	79, 18.908, 147.597
Yxy	55.1136, 0.3076, 0.3646
Android (android.graphics.Color)	4289514673 (0xFFACCCB1)
YUV	191.3540, -7.0765, -16.9735
Hunter-Lab	74.2386, -18.1141, 12.3875

Details

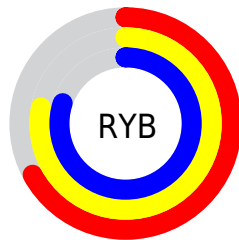
The RYB color **172, 200, 204** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **204, 172, 199**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **228, 251, 255**, and **119, 146, 150** is the 20% darker color. If you saturate the color by 10%, you get **152, 198, 204**, and if you desaturate by 10%, it is **192, 202, 204**.

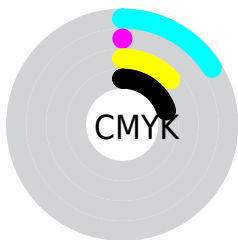
Distribution



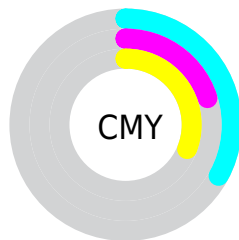
- Red (67%)
- Green (80%)
- Blue (69%)



- Red (67%)
- Yellow (78%)
- Blue (80%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (33%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 200, 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 172, 200, 204 by changing the saturation by 10% instead.

 172, 200, 204


255, 255, 255

 228, 252, 255

 172, 200, 204

 145, 173, 177

 119, 146, 150

 94, 120, 124

 70, 95, 99

 47, 71, 75


 25, 47, 52

 3, 27, 31


 0, 0, 0

 172, 200, 204


 172, 200, 204

 152, 198, 204

 192, 202, 204

 131, 194, 204

 213, 204, 212

 111, 193, 204

 233, 204, 229

 90, 189, 204

 254, 204, 247

 70, 187, 204

 255, 204, 255

 50, 185, 204

 29, 182, 204

 9, 180, 204

 0, 179, 204

Harmonies

Analogous

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



165, 200, 173



172, 200, 204



156, 184, 206

Triad

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



172, 200, 204



174, 191, 231



233, 186, 180

Complementary

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



172, 200, 204



204, 172, 199

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.



230, 184, 198



172, 200, 204



197, 192, 227

Square

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



172, 200, 204



156, 184, 225



218, 187, 215



226, 202, 167

Rectangle

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



172, 200, 204



150, 178, 206



218, 187, 215



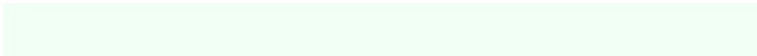
233, 184, 186

Sweetspot

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



172, 200, 204



242, 253, 255



172, 204, 176



120, 127, 128



0, 0, 0



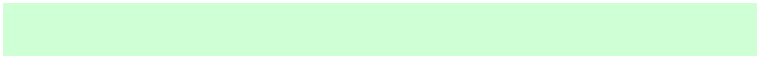
128, 128, 128

Same Dimension

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



172, 200, 204



207, 250, 255



172, 192, 204



92, 101, 102



0, 145, 166



0, 34, 38

Inverse Universe

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



204, 172, 199



255, 207, 248



204, 172, 184



102, 92, 101



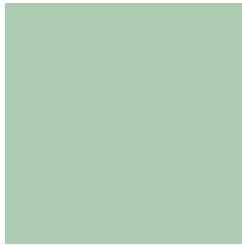
166, 0, 142



38, 0, 33

Previews

White Background



This preview shows how the RYB color 172, 200, 204 looks on a white background.

Color Contrast Check

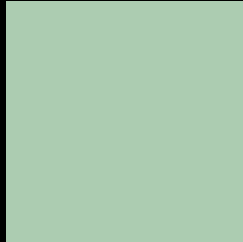
Large Text (above 18pt) WCAG AA × Fail

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 172, 200, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

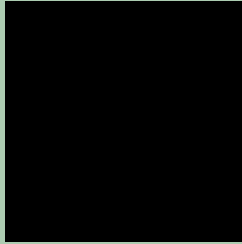
Any Text WCAG AA ✓ Pass

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](#).

R Y B 172, 200, 204 Background



This preview shows how black text looks on a background with the R Y B color 172, 200, 204.



This preview shows how white text looks on a background with the R Y B color 172, 200, 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](#).

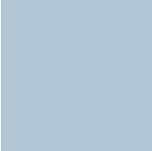
Dichromacy



Original Color
172, 200, 204

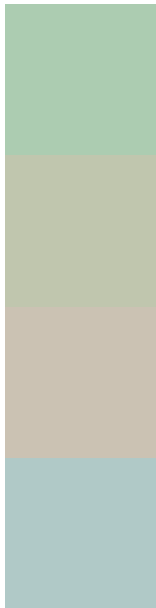
Protanopia
185, 204, 172

Deuteranopia
220, 192, 180



Tritanopia
178, 191, 214

Trichromacy



Original Color

172, 200, 204

Protanomaly

174, 198, 180

Deuteranomaly

193, 203, 179

Tritanomaly

176, 189, 201

Monochromacy



Original Color

172, 200, 204

Achromatopsia

191, 191, 191

Achromatomaly

184, 194, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 200, 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(172, 204, 177)` looks like.

```
.text, #text, p{  
    color:rgb(172, 204, 177)  
}
```

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(172, 204, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 204, 177) }
```

Border

The CSS property to change the border of an element to RYB 172, 200, 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(172, 204, 177) }
```

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

```
.border{ border-color:rgb(172, 204, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 204, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 204, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 204, 177);  
box-shadow:4px 4px 4px 4px rgb(172, 204,  
177) }
```

Background

The CSS property to change the background color of an element to RYB 172, 200, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 204, 177) }
```

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

```
.background{ background-color: rgb(172,  
204, 177) }
```

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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