

Converting Colors

`RYB(202, 172, 196)`

Have a look what the booklet for
RYB(202, 172, 196) contains.

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Color

$\text{RYB}(202, 172, 196)$

Conversions

Conversions Part 1

Format	Color
Hex	CAACC4
RGB	202, 172, 196
RGB Percent	79%, 67%, 77%
CMY	0.2078, 0.3255, 0.2314
CMYK	0.00, 0.15, 0.03, 0.21
HSL	312°, 22%, 73%
HSV	312°, 15%, 79%
XYZ	49.0735, 46.0471, 58.5261
YIQ	183.7060, 10.1760, 13.8240

Conversions

Conversions Part 2

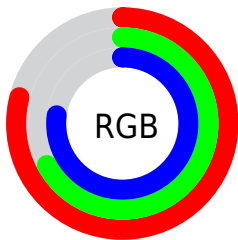
Format	Color
R _Y B	202, 172, 196
Decimal	13282500
CIE Lab	73.58, 15.01, -8.17
CIE LCh	74, 17.095, 331.439
Yxy	46.0471, 0.3194, 0.2997
Android (android.graphics.Color)	4291472580 (0xFFCAACC4)
YUV	183.7060, 6.0609, 16.0438
Hunter-Lab	67.8580, 10.3358, -3.6357

Details

The RYB color **202, 172, 196** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **172, 197, 202**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **255, 227, 253**, and **148, 120, 142** is the 20% darker color. If you saturate the color by 10%, you get **202, 152, 192**, and if you desaturate by 10%, it is **202, 192, 200**.

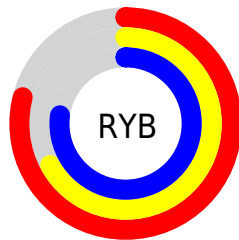
Distribution



Red (79%)

Green (67%)

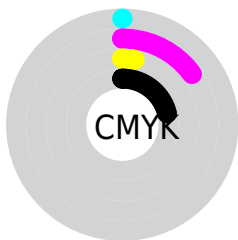
Blue (77%)



Red (79%)

Yellow (67%)

Blue (77%)

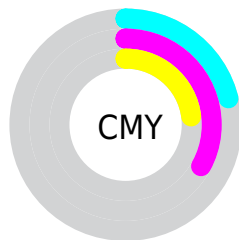


Cyan (0%)

Magenta (15%)

Yellow (3%)

Black (21%)



Cyan (21%)

Magenta (33%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the RYB color 202, 172, 196 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 202, 172, 196 by changing the saturation by 10% instead.

 202, 172, 196

255, 255, 255

 255, 227, 253


 202, 172, 196


 175, 145, 169

 148, 120, 142

 122, 95, 117

 97, 71, 92


 73, 48, 69

 50, 27, 46

 30, 2, 26

 0, 0, 0

 202, 172, 196

 202, 172, 196

202, 152, 192

202, 192, 200

202, 132, 188

202, 210, 212

202, 111, 184

202, 228, 233

202, 91, 180

202, 245, 253

202, 71, 176

202, 244, 255

202, 51, 172

202, 242, 255

202, 31, 168

202, 239, 255

202, 10, 164

202, 238, 255

202, 0, 162

202, 236, 255

Harmonies

Analogous

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



185, 177, 207



202, 172, 196



212, 170, 181

Triad

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



202, 172, 196



167, 192, 150



139, 166, 196

Complementary

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



202, 172, 196



172, 197, 202

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.



144, 169, 190



202, 172, 196



154, 185, 164

Square

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



202, 172, 196



206, 189, 154



157, 182, 188



147, 171, 208

Rectangle

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



202, 172, 196



214, 170, 170



157, 182, 188



140, 165, 192

Sweetspot

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



202, 172, 196



255, 245, 253



178, 172, 202



128, 121, 126



0, 0, 0



128, 128, 128

Same Dimension

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



202, 172, 196



255, 209, 246



202, 172, 182



102, 92, 100



166, 0, 133



38, 0, 31

Inverse Universe

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



202, 172, 196



255, 209, 246



172, 190, 202



102, 92, 100



166, 0, 133



38, 0, 31

Previews

White Background



This preview shows how the RYB color 202, 172, 196 looks on a white background.

Color Contrast Check

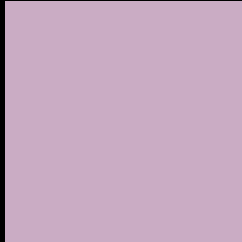
Large Text (above 18pt) WCAG AA × Fail

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 202, 172, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

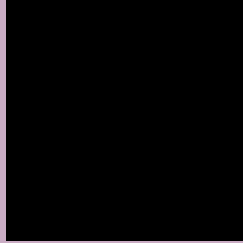
Any Text WCAG AA ✓ Pass

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 202, 172, 196 Background



This preview shows how black text looks on a background with the RYB color 202, 172, 196.



This preview shows how white text looks on a background with the RYB color 202, 172, 196.

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
202, 172, 196

Protanopia
178, 180, 201

Deuteranopia
192, 176, 195



Tritanopia
201, 173, 187

Trichromacy



Original Color
202, 172, 196

Protanomaly
187, 177, 199

Deuteranomaly
196, 175, 195

Tritanomaly
201, 173, 190

Monochromacy



Original Color
202, 172, 196

Achromatopsia
184, 184, 184

Achromatomaly
191, 180, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 172, 196 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(202, 172, 196) looks like.

```
.text, #text, p{  
    color:rgb(202, 172, 196)  
}
```

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(202, 172, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 172, 196) }
```

Border

The CSS property to change the border of an element to RYB 202, 172, 196 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(202, 172, 196) }
```

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

```
.border{ border-color:rgb(202, 172, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 172, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 172, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 172, 196);  
box-shadow:4px 4px 4px 4px rgb(202, 172,  
196) }
```

Background

The CSS property to change the background color of an element to RGB 202, 172, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 172, 196) }
```

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

```
.background{ background-color: rgb(202,  
172, 196) }
```

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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