

Converting Colors

`RYB(220, 201, 199)`

Have a look what the booklet for
RYB(220, 201, 199) contains.

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Color

R_YB(220, 201, 199)

Conversions

Conversions Part 1

Format	Color
Hex	DCC9C7
RGB	220, 201, 199
RGB Percent	86%, 79%, 78%
CMY	0.1373, 0.2124, 0.2196
CMYK	0.00, 0.09, 0.10, 0.14
HSL	5°, 23%, 82%
HSV	5°, 10%, 86%
XYZ	60.6701, 61.0314, 62.6154
YIQ	206.4530, 11.9660, 3.4060

Conversions

Conversions Part 2

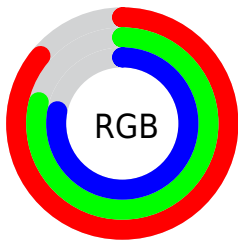
Format	Color
R _Y B	220, 201, 199
Decimal	14469575
CIE Lab	82.40, 6.39, 3.33
CIE LCh	82, 7.206, 27.529
Yxy	61.0314, 0.3292, 0.3311
Android (android.graphics.Color)	4292659655 (0xFFDCC9C7)
YUV	206.4530, -3.6743, 11.8807
Hunter-Lab	78.1226, 1.9088, 7.1648

Details

The RYB color **220, 201, 199** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **199, 209, 220**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is 255, 255, 255, and **165, 147, 145** is the 20% darker color. If you saturate the color by 10%, you get **220, 181, 177**, and if you desaturate by 10%, it is **220, 221, 221**.

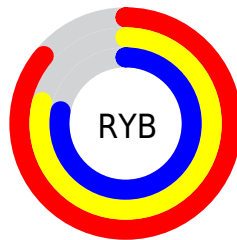
Distribution



Red (86%)

Green (79%)

Blue (78%)



Red (86%)

Yellow (79%)

Blue (78%)

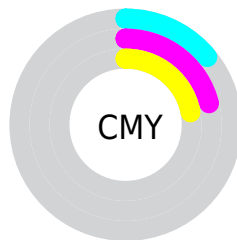


Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (14%)



Cyan (14%)

Magenta (21%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 201, 199 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 220, 201, 199 by changing the saturation by 10% instead.

■ 220, 201, 199

255, 255, 255

■ 220, 201, 199

■ 192, 173, 172

■ 165, 147, 145

■ 138, 121, 120

■ 113, 96, 95

■ 88, 73, 71

■ 65, 50, 49


■ 42, 29, 28

■ 24, 3, 1


■ 0, 0, 0

 220, 201, 199


 220, 201, 199

 220, 181, 177


 220, 221, 221


 220, 162, 155


 220, 231, 243


 220, 142, 133

 220, 238, 255

 220, 121, 111

 220, 101, 89

 220, 81, 67

 220, 61, 45

 220, 42, 23

 220, 22, 1

Harmonies

Analogous

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



219, 201, 206



220, 201, 199



217, 206, 194

Triad

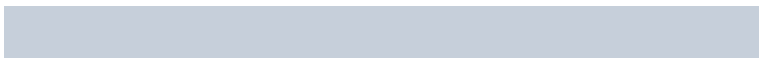
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220, 201, 199



196, 206, 208



198, 204, 218

Complementary

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



220, 201, 199



199, 209, 220

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.



191, 201, 216



220, 201, 199



191, 201, 209

Square

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



220, 201, 199



193, 206, 195



189, 199, 211



206, 203, 217

Rectangle

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



220, 201, 199



210, 214, 192



189, 199, 211



195, 202, 218

Sweetspot

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



220, 201, 199



255, 248, 247



220, 199, 218



128, 123, 122



0, 0, 0



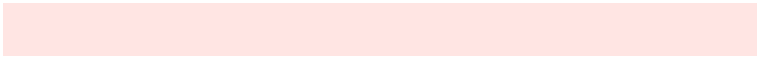
128, 128, 128

Same Dimension

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



220, 201, 199



255, 229, 227



215, 220, 199



110, 100, 99



173, 16, 0



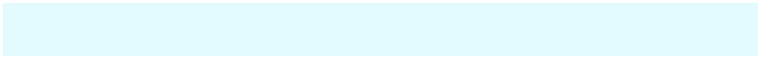
46, 4, 0

Inverse Universe

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



199, 209, 220



227, 240, 255



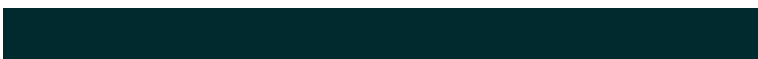
199, 205, 220



99, 104, 110



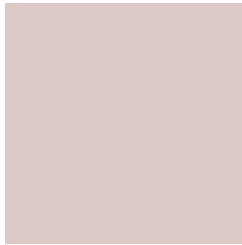
0, 83, 173



0, 22, 46

Previews

White Background



This preview shows how the RYB color 220, 201, 199 looks on a white background.

Color Contrast Check

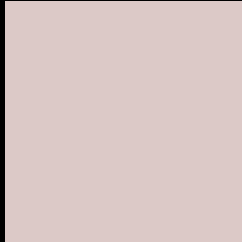
Large Text (above 18pt) WCAG AA × Fail

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 220, 201, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

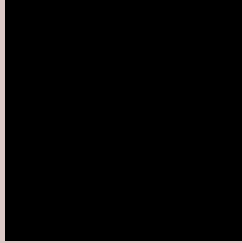
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

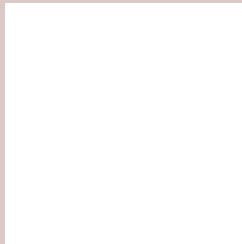
Any Text WCAG AAA ✓ Pass

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

RYP 220, 201, 199 Background



This preview shows how black text looks on a background with the RYB color 220, 201, 199.




This preview shows how white text looks on a background with the RYB color 220, 201, 199.

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 220, 201, 199
	Protanopia 210, 206, 201
	Deuteranopia 227, 198, 199



Tritanopia
222, 199, 214

Trichromacy



Original Color

220, 201, 199

Protanomaly

214, 204, 200

Deuteranomaly

224, 199, 199

Tritanomaly

221, 200, 209

Monochromacy



Original Color

220, 201, 199

Achromatopsia

206, 206, 206

Achromatomaly

211, 204, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 201, 199 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(220, 201, 199)` looks like.

```
.text, #text, p{  
    color:rgb(220, 201, 199)  
}
```

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(220, 201, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 201, 199) }
```

Border

The CSS property to change the border of an element to RYB 220, 201, 199 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(220, 201, 199) }
```

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

```
.border{ border-color:rgb(220, 201, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 201, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 201, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 201, 199);  
box-shadow:4px 4px 4px 4px rgb(220, 201,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 220, 201, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 201, 199) }
```

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

```
.background{ background-color: rgb(220,  
201, 199) }
```

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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