

# Converting Colors

`RYB(224, 204, 226)`

Have a look what the booklet for RYB(224, 204, 226) contains.

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# Color

**R<sub>Y</sub>B(224, 204, 226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CCE2
RGB	224, 204, 226
RGB Percent	88%, 80%, 89%
CMY	0.1216, 0.2000, 0.1137
CMYK	0.01, 0.10, 0.00, 0.11
HSL	295°, 27%, 84%
HSV	295°, 10%, 89%
XYZ	66.0608, 64.5240, 80.9241
YIQ	212.4880, 4.8580, 11.0820

# Conversions

## Conversions Part 2

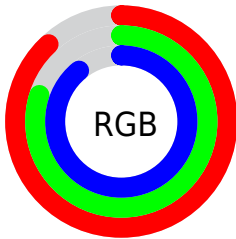
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 204, 226
Decimal	14732514
CIELab	84.24, 10.84, -8.34
CIELCh	84, 13.676, 322.429
Yxy	64.5240, 0.3123, 0.3051
Android (android.graphics.Color)	4292922594 (0xFFE0CCE2)
YUV	212.4880, 6.6614, 10.0960
Hunter-Lab	80.3268, 6.2265, -3.5021

# Details

The RYB color **224, 204, 226** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **204, 226, 224**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is 255, 255, 255, and **169, 150, 171** is the 20% darker color. If you saturate the color by 10%, you get **222, 181, 226**, and if you desaturate by 10%, it is **226, 227, 227**.

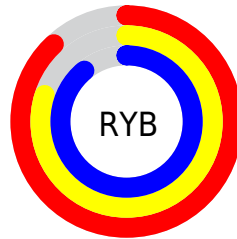
# Distribution



Red (88%)

Green (80%)

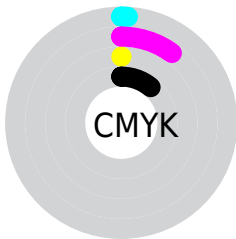
Blue (89%)



Red (88%)

Yellow (80%)

Blue (89%)

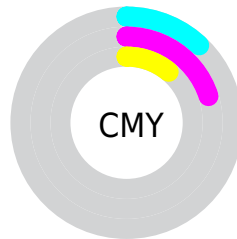


Cyan (1%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (20%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 224, 204, 226 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 224, 204, 226 by changing the saturation by 10% instead.



■ 224, 204, 226

255, 255, 255

■ 224, 204, 226

■ 196, 177, 198

■ 169, 150, 171

■ 142, 124, 144

■ 117, 99, 119

■ 92, 75, 94

■ 68, 52, 70

■ 46, 31, 48

■ 26, 8, 27

■ 0, 0, 0

224, 204, 226

224, 204, 226

222, 181, 226

226, 227, 227

220, 159, 226

226, 249, 247

218, 136, 226

226, 255, 251

216, 114, 226

226, 255, 249

214, 91, 226

226, 255, 247

212, 68, 226

226, 255, 245

210, 46, 226

226, 255, 243

208, 23, 226

226, 255, 241

206, 1, 226

226, 255, 239

# Harmonies

## Analogous

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



209, 208, 234



224, 204, 226



235, 202, 214

# Triad

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



224, 204, 226



212, 224, 185



178, 198, 219

# Complementary

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



224, 204, 226



204, 226, 224

# 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.



183, 204, 218



224, 204, 226



186, 212, 188

# Square

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



224, 204, 226



234, 211, 190



194, 216, 215



181, 201, 230

# Rectangle

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



224, 204, 226



238, 201, 205



194, 216, 215



179, 199, 218



# Sweetspot

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



224, 204, 226



254, 247, 255



204, 206, 226



127, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



224, 204, 226



252, 224, 255



226, 204, 217



111, 101, 112



160, 0, 176



44, 0, 48



# Inverse Universe

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



226, 204, 206



255, 224, 227



204, 220, 226



112, 101, 102



176, 0, 16

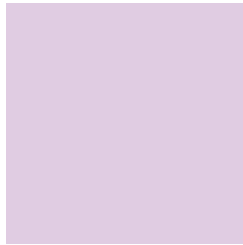


48, 0, 4



# Previews

## White Background



This preview shows how the RYB color 224, 204, 226 looks on a white background.

## Color Contrast Check

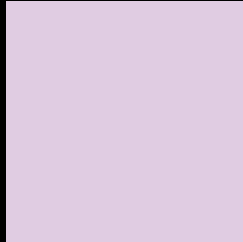
Large Text (above 18pt) WCAG AA × Fail

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 224, 204, 226 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

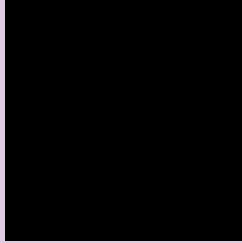
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

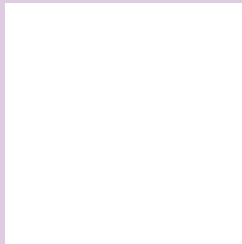
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYP 224, 204, 226 Background



This preview shows how black text looks on a background with the RYP color 224, 204, 226.



This preview shows how white text looks on a background with the RYP color 224, 204, 226.

# 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**  
223, 205, 221

# Trichromacy



## Original Color

224, 204, 226

## Protanomaly

214, 207, 228

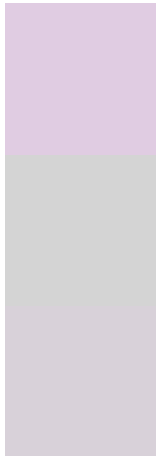
## Deuteranomaly

223, 204, 226

## Tritanomaly

223, 205, 223

# Monochromacy



## Original Color

224, 204, 226

## Achromatopsia

212, 212, 212

## Achromatomaly

216, 209, 217

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 224, 204, 226 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(224, 204, 226)` looks like.

```
.text, #text, p{  
    color:rgb(224, 204, 226)  
}
```

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(224, 204, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 204, 226) }
```

## Border

The CSS property to change the border of an element to RYB 224, 204, 226 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(224, 204, 226) }
```

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

```
.border{ border-color:rgb(224, 204, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 204, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 204, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 204, 226);  
box-shadow:4px 4px 4px 4px rgb(224, 204,  
226) }
```

# Background

The CSS property to change the background color of an element to RGB 224, 204, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 204, 226) }
```

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

```
.background{ background-color: rgb(224,  
204, 226) }
```

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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