

# Converting Colors

`RYB(223, 200, 245)`

Have a look what the booklet for RYB(223, 200, 245) contains.

<b>RYB(223, 200, 245)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(223, 200, 245)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFC8F5
RGB	223, 200, 245
RGB Percent	87%, 78%, 96%
CMY	0.1255, 0.2157, 0.0392
CMYK	0.09, 0.18, 0.00, 0.04
HSL	271°, 69%, 87%
HSV	271°, 18%, 96%
XYZ	67.5671, 63.5891, 95.0990
YIQ	212.0070, -0.7370, 18.8710

# Conversions

## Conversions Part 2

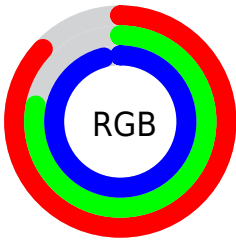
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 200, 245
Decimal	14665973
CIE Lab	83.75, 16.28, -19.19
CIE LCh	84, 25.165, 310.303
Yxy	63.5891, 0.2986, 0.2811
Android (android.graphics.Color)	4292856053 (0xFFDFC8F5)
YUV	212.0070, 16.2655, 9.6409
Hunter-Lab	79.7428, 11.6956, -14.8876

# Details

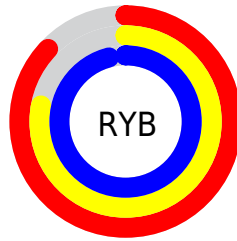
The RYB color **223, 200, 245** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **200, 245, 223**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is 255, 255, 255, and **168, 146, 189** is the 20% darker color. If you saturate the color by 10%, you get **211, 176, 245**, and if you desaturate by 10%, it is **235, 224, 245**.

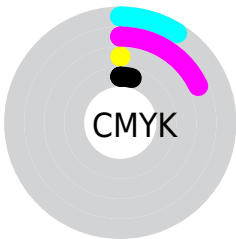
# Distribution



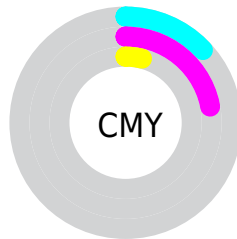
- Red (87%)
- Green (78%)
- Blue (96%)



- Red (87%)
- Yellow (78%)
- Blue (96%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (22%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 223, 200, 245 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 223, 200, 245 by changing the saturation by 10% instead.



■ 223, 200, 245

255, 255, 255

■ 223, 200, 245

■ 195, 173, 217

■ 168, 146, 189

■ 141, 120, 162

■ 115, 95, 135

■ 90, 72, 110

■ 66, 49, 85


■ 44, 28, 62

■ 24, 3, 40


■ 0, 1, 18

 223, 200, 245


 223, 200, 245

 211, 176, 245

 235, 224, 245


 199, 151, 245


 245, 249, 247

 187, 127, 245

 245, 255, 245

 175, 102, 245

 163, 78, 245

 151, 53, 245

 139, 28, 245

 127, 4, 245

 125, 0, 245

# Harmonies

## Analogous

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



192, 205, 255



223, 200, 245



246, 194, 225

# Triad

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



223, 200, 245



241, 237, 165



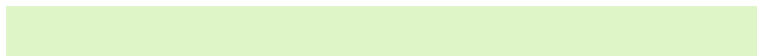
146, 186, 222

# Complementary

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



223, 200, 245



200, 245, 223

# 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.



165, 203, 221



223, 200, 245



171, 218, 162

# Square

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



223, 200, 245



255, 199, 179



172, 217, 197



144, 187, 239

# Rectangle

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



223, 200, 245



255, 192, 209



172, 217, 197



151, 190, 222



# Sweetspot

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



223, 200, 245



248, 240, 255



200, 215, 245



123, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



223, 200, 245



228, 199, 255



245, 200, 245



116, 110, 122



95, 0, 186



30, 0, 59



# Inverse Universe

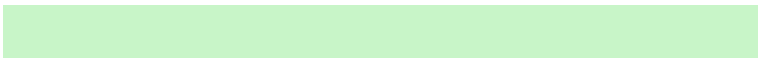
The Inverse Universe completely reimagines the original color for something new.



245, 200, 222



255, 199, 226



200, 245, 245



122, 110, 116



186, 0, 91



59, 0, 29



# Previews

## White Background



This preview shows how the RYB color 223, 200, 245 looks on a white background.

## Color Contrast Check

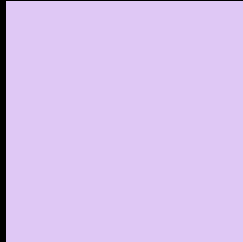
Large Text (above 18pt) WCAG AA × Fail

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 223, 200, 245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

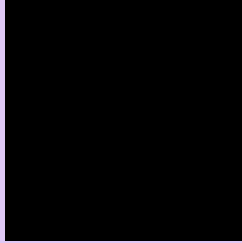
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 223, 200, 245 Background



This preview shows how black text looks on a background with the RYB color 223, 200, 245.



This preview shows how white text looks on a background with the RYB color 223, 200, 245.

# 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**  
223, 200, 245

**Protanopia**  
200, 206, 250

**Deuteranopia**  
212, 204, 244



**Tritanopia**  
219, 204, 220

# Trichromacy



**Original Color**  
223, 200, 245

**Protanomaly**  
208, 204, 248

**Deuteranomaly**  
216, 203, 244

**Tritanomaly**  
220, 203, 229

# Monochromacy



**Original Color**  
223, 200, 245

**Achromatopsia**  
212, 212, 212

**Achromatomaly**  
216, 208, 224

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 223, 200, 245 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(223, 200, 245)` looks like.

```
.text, #text, p{  
    color:rgb(223, 200, 245)  
}
```

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(223, 200, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 200, 245) }
```

## Border

The CSS property to change the border of an element to RYB 223, 200, 245 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(223, 200, 245) }
```

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

```
.border{ border-color:rgb(223, 200, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 200, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 200, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 200, 245);  
box-shadow:4px 4px 4px 4px rgb(223, 200,  
245) }
```

# Background

The CSS property to change the background color of an element to RYB 223, 200, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 200, 245) }
```

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

```
.background{ background-color: rgb(223,  
200, 245) }
```

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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