

# Converting Colors

`RYB(250, 220, 240)`

Have a look what the booklet for RYB(250, 220, 240) contains.

<b>RYB(250, 220, 240)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**`RYB(250, 220, 240)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	FADCF0
RGB	250, 220, 240
RGB Percent	98%, 86%, 94%
CMY	0.0196, 0.1373, 0.0588
CMYK	0.00, 0.12, 0.04, 0.02
HSL	320°, 75%, 92%
HSV	320°, 12%, 98%
XYZ	80.7457, 77.8017, 93.1995
YIQ	231.2500, 11.4600, 12.5800

# Conversions

## Conversions Part 2

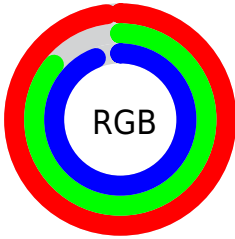
Format	Color
R <sub>Y</sub> B	250, 220, 240
Decimal	16440560
CIE Lab	90.69, 13.68, -5.95
CIE LCh	91, 14.917, 336.499
Yxy	77.8017, 0.3207, 0.3090
Android (android.graphics.Color)	4294630640 (0xFFFADCF0)
YUV	231.2500, 4.3137, 16.4438
Hunter-Lab	88.2053, 9.0450, -0.9034

# Details

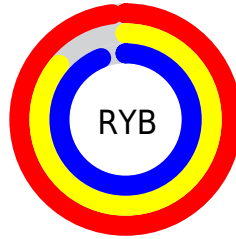
The RYB color **250, 220, 240** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **220, 243, 250**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is **255, 255, 255**, and **193, 165, 184** is the 20% darker color. If you saturate the color by 10%, you get **250, 195, 232**, and if you desaturate by 10%, it is **250, 245, 248**.

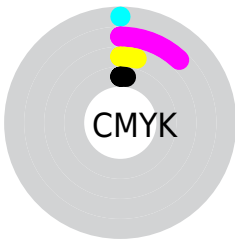
# Distribution



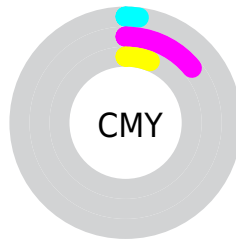
- Red (98%)
- Green (86%)
- Blue (94%)



- Red (98%)
- Yellow (86%)
- Blue (94%)



- Cyan (0%)
- Magenta (12%)
- Yellow (4%)
- Black (2%)



- Cyan (2%)
- Magenta (14%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 250, 220, 240 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 250, 220, 240 by changing the saturation by 10% instead.



 250, 220, 240


255, 255, 255

 250, 220, 240

 221, 192, 212

 193, 165, 184


 166, 139, 157

 140, 113, 131

 114, 88, 106

 89, 65, 82


 66, 43, 59

 43, 22, 37


 25, 0, 16

 250, 220, 240


 250, 220, 240


 250, 195, 232


 250, 245, 248


 250, 170, 223


 250, 253, 255


 250, 145, 215

 250, 120, 207

 250, 95, 198

 250, 70, 190

 250, 45, 182

 250, 20, 173

 250, 0, 167

# Harmonies

## Analogous

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



235, 224, 251



250, 220, 240



255, 219, 226

# Triad

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



250, 220, 240



212, 237, 200



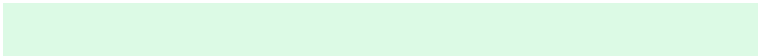
193, 217, 245

# Complementary

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



250, 220, 240



220, 243, 250

# 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.



194, 217, 237



250, 220, 240



205, 233, 218

# Square

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



250, 220, 240



250, 241, 203



205, 228, 236



201, 221, 254

# Rectangle

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



250, 220, 240



255, 219, 216



205, 228, 236



192, 215, 240



# Sweetspot

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



250, 220, 240



255, 245, 252



230, 220, 250



128, 121, 125



0, 0, 0



128, 128, 128



# Same Dimension

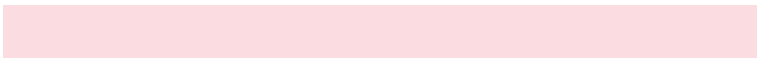
The Same Dimension uses a secret algorithm to generate beautiful new colors.



250, 220, 240



255, 219, 243



250, 220, 225



125, 112, 121



189, 0, 126



61, 0, 41



# Inverse Universe

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



250, 220, 240



255, 219, 243



220, 236, 250



125, 112, 121



189, 0, 126

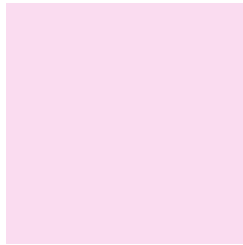


61, 0, 41



# Previews

## White Background



This preview shows how the RYB color 250, 220, 240 looks on a white background.

## Color Contrast Check

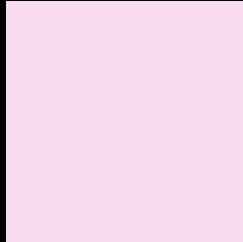
Large Text (above 18pt) WCAG AA × Fail

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 250, 220, 240 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 250, 220, 240 Background**



This preview shows how black text looks on a background with the RYB color 250, 220, 240.



This preview shows how white text looks on a background with the RYB color 250, 220, 240.

# 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**  
250, 220, 240

**Protanopia**  
228, 227, 244

**Deuteranopia**  
245, 222, 240



**Tritanopia**  
250, 220, 238

# Trichromacy



**Original Color**

250, 220, 240

**Protanomaly**

236, 224, 243

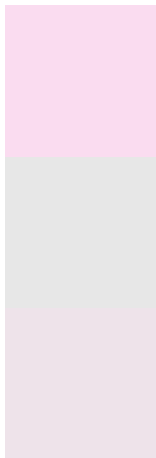
**Deuteranomaly**

247, 221, 240

**Tritanomaly**

250, 220, 239

# Monochromacy



**Original Color**

250, 220, 240

**Achromatopsia**

231, 231, 231

**Achromatomaly**

238, 227, 234

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 250, 220, 240 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(250, 220, 240) looks like.

```
.text, #text, p{  
    color:rgb(250, 220, 240)  
}
```

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(250, 220, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 220, 240) }
```

## Border

The CSS property to change the border of an element to RYB 250, 220, 240 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(250, 220, 240) }
```

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

```
.border{ border-color:rgb(250, 220, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 220, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(250, 220, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(250, 220, 240); box-shadow:4px 4px 4px 4px rgb(250, 220, 240) }
```

# Background

The CSS property to change the background color of an element to RYB 250, 220, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 220, 240) }
```

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

```
.background{ background-color: rgb(250,  
220, 240) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor