

Converting Colors

`RYB(233, 220, 251)`

Have a look what the booklet for
RYB(233, 220, 251) contains.

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Color

`RYB(233, 220, 251)`

Conversions

Conversions Part 1

Format	Color
Hex	E9DCFB
RGB	233, 220, 251
RGB Percent	91%, 86%, 98%
CMY	0.0863, 0.1373, 0.0157
CMYK	0.07, 0.12, 0.00, 0.02
HSL	265°, 79%, 92%
HSV	265°, 12%, 98%
XYZ	76.6101, 75.4751, 101.7971
YIQ	227.4210, -2.2030, 12.3970

Conversions

Conversions Part 2

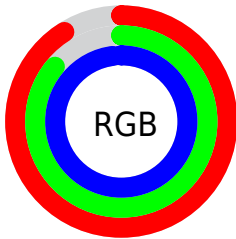
Format	Color
R _Y B	233, 220, 251
Decimal	15326459
CIE _{Lab}	89.62, 10.08, -13.47
CIE _{LCh}	90, 16.825, 306.820
Yxy	75.4751, 0.3018, 0.2973
Android (android.graphics.Color)	4293516539 (0xFFE9DCFB)
YUV	227.4210, 11.6244, 4.8928
Hunter-Lab	86.8764, 5.3727, -8.6594

Details

The RYB color **233, 220, 251** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **220, 251, 233**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **255, 255, 255**, and **177, 165, 194** is the 20% darker color. If you saturate the color by 10%, you get **218, 195, 251**, and if you desaturate by 10%, it is **248, 245, 251**.

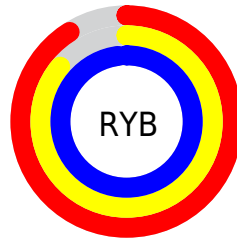
Distribution



Red (91%)

Green (86%)

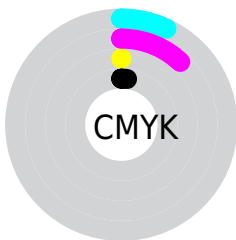
Blue (98%)



Red (91%)

Yellow (86%)

Blue (98%)

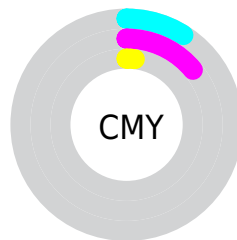


Cyan (7%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (9%)

Magenta (14%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 220, 251 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 233, 220, 251 by changing the saturation by 10% instead.

■ 233, 220, 251

255, 255, 255

■ 233, 220, 251

■ 205, 192, 222

■ 177, 165, 194

■ 150, 139, 167

■ 125, 113, 141

■ 99, 89, 115

■ 75, 65, 91


■ 52, 43, 67

■ 31, 23, 45


■ 7, 0, 25

 233, 220, 251

 233, 220, 251


 218, 195, 251

 248, 245, 251


 204, 170, 251


 251, 255, 251


 189, 145, 251

 175, 120, 251

 160, 95, 251

 146, 69, 251

 131, 44, 251

 116, 19, 251

 105, 0, 251

Harmonies

Analogous

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



213, 222, 255



233, 220, 251



250, 216, 238

Triad

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



233, 220, 251



250, 239, 196



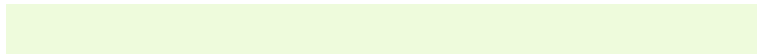
187, 213, 235

Complementary

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



233, 220, 251



220, 251, 233

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.



199, 225, 234



233, 220, 251



206, 235, 193

Square

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



233, 220, 251



255, 218, 207



199, 230, 213



185, 212, 244

Rectangle

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



233, 220, 251



255, 214, 228



199, 230, 213



190, 216, 235

Sweetspot

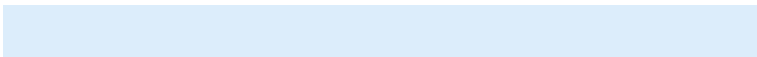
The Sweet Spot groups the original color and five complimentary colors.



233, 220, 251



249, 245, 255



220, 231, 251



124, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



233, 220, 251



233, 217, 255



248, 220, 251



118, 112, 125



79, 0, 189



26, 0, 61

Inverse Universe

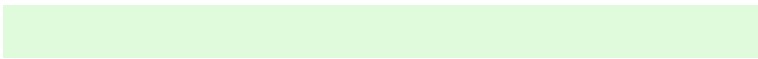
The Inverse Universe completely reimagines the original color for something new.



251, 220, 238



255, 217, 239



220, 251, 248



125, 112, 120



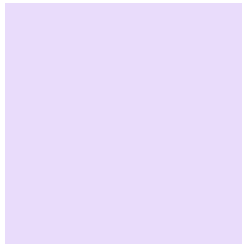
189, 0, 110



61, 0, 36

Previews

White Background



This preview shows how the RYB color 233, 220, 251 looks on a white background.

Color Contrast Check

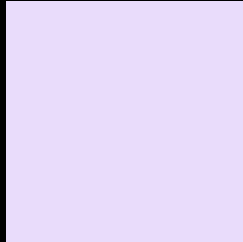
Large Text (above 18pt) WCAG AA × Fail

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 233, 220, 251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

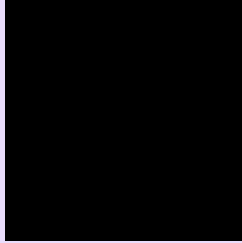
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

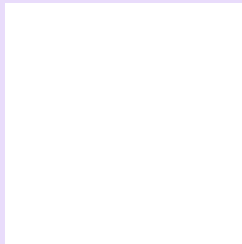
Any Text WCAG AAA ✓ Pass

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

RYB 233, 220, 251 Background



This preview shows how black text looks on a background with the RYB color 233, 220, 251.

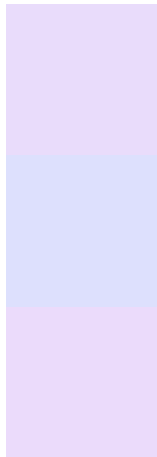


This preview shows how white text looks on a background with the RYB color 233, 220, 251.

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
233, 220, 251

Protanopia
221, 224, 253

Deuteranopia
235, 219, 251



Tritanopia

231, 222, 239

Trichromacy



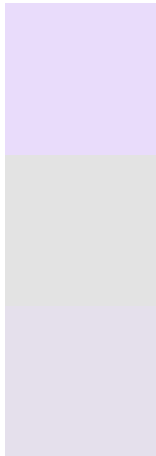
Original Color
233, 220, 251

Protanomaly
225, 223, 252

Deuteranomaly
234, 219, 251

Tritanomaly
232, 221, 243

Monochromacy



Original Color
233, 220, 251

Achromatopsia
227, 227, 227

Achromatomaly
229, 224, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 220, 251 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(233, 220, 251)` looks like.

```
.text, #text, p{  
    color:rgb(233, 220, 251)  
}
```

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(233, 220, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 220, 251) }
```

Border

The CSS property to change the border of an element to RYB 233, 220, 251 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(233, 220, 251) }
```

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

```
.border{ border-color:rgb(233, 220, 251) }
```

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

Here you see how a box with a 4 pixel rgb(233, 220, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 220, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 220, 251);  
box-shadow:4px 4px 4px 4px rgb(233, 220,  
251) }
```

Background

The CSS property to change the background color of an element to RYB 233, 220, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 220, 251) }
```

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

```
.background{ background-color: rgb(233,  
220, 251) }
```

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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