

Converting Colors

`RYB(230, 220, 250)`

Have a look what the booklet for
RYB(230, 220, 250) contains.

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Color

R_YB(230, 220, 250)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E6DCFA |
| RGB | 230, 220, 250 |
| RGB Percent | 90%, 86%, 98% |
| CMY | 0.0980, 0.1373, 0.0196 |
| CMYK | 0.08, 0.12, 0.00, 0.02 |
| HSL | 260°, 75%, 92% |
| HSV | 260°, 12%, 98% |
| XYZ | 75.4816, 74.9115, 100.9235 |
| YIQ | 226.4100, -3.6700, 11.4500 |

Conversions

Conversions Part 2

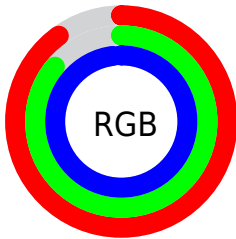
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 230, 220, 250 |
| Decimal | 15129850 |
| CIE Lab | 89.35, 8.92, -13.36 |
| CIE LCh | 89, 16.068, 303.735 |
| Yxy | 74.9115, 0.3003, 0.2981 |
| Android (android.graphics.Color) | 4293319930 (0xFFE6DCFA) |
| YUV | 226.4100, 11.6299, 3.1484 |
| Hunter-Lab | 86.5514, 4.2051, -8.5493 |

Details

The RYB color **230, 220, 250** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **220, 250, 230**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **255, 255, 255**, and **174, 165, 194** is the 20% darker color. If you saturate the color by 10%, you get **213, 195, 250**, and if you desaturate by 10%, it is **247, 245, 250**.

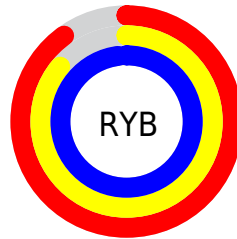
Distribution



Red (90%)

Green (86%)

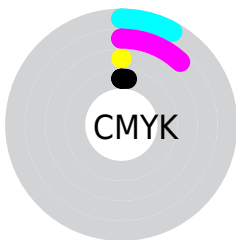
Blue (98%)



Red (90%)

Yellow (86%)

Blue (98%)

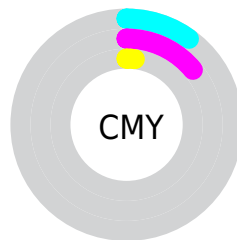


Cyan (8%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (10%)

Magenta (14%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 220, 250 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 230, 220, 250 by changing the saturation by 10% instead.

■ 230, 220, 250

255, 255, 255

■ 230, 220, 250

■ 202, 192, 221

■ 174, 165, 194

■ 148, 139, 166

■ 122, 113, 140

■ 97, 89, 114

■ 73, 65, 90


■ 50, 43, 66

■ 29, 23, 44

■ 2, 0, 24

 230, 220, 250


 230, 220, 250


 213, 195, 250

 247, 245, 250


 197, 170, 250

 250, 255, 250

 180, 145, 250


 163, 120, 250

 147, 95, 250

 130, 70, 250

 113, 45, 250

 97, 20, 250

 83, 0, 250

Harmonies

Analogous

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



210, 221, 255



230, 220, 250



247, 216, 238

Triad

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



230, 220, 250



249, 234, 198



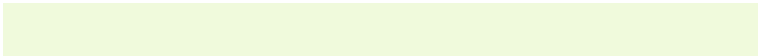
189, 214, 234

Complementary

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



230, 220, 250



220, 250, 230

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.



201, 224, 232



230, 220, 250



209, 235, 194

Square

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



230, 220, 250



255, 216, 208



199, 229, 210



186, 211, 241

Rectangle

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



230, 220, 250



254, 214, 228



199, 229, 210



192, 216, 233

Sweetspot

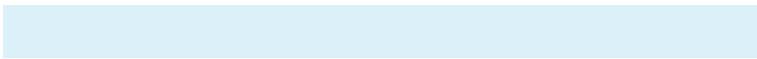
The Sweet Spot groups the original color and five complimentary colors.



230, 220, 250



248, 245, 255



220, 232, 250



123, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



230, 220, 250



231, 219, 255



245, 220, 250



117, 112, 125



63, 0, 189



20, 0, 61

Inverse Universe

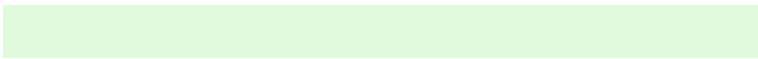
The Inverse Universe completely reimagines the original color for something new.



250, 220, 240



255, 219, 243



220, 250, 245



125, 112, 121



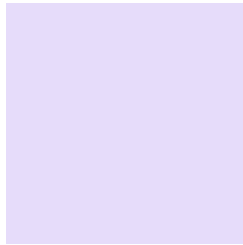
189, 0, 126



61, 0, 41

Previews

White Background



This preview shows how the RYB color 230, 220, 250 looks on a white background.

Color Contrast Check

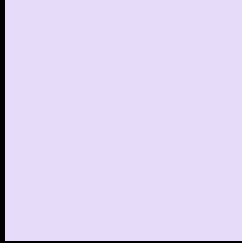
Large Text (above 18pt) WCAG AA × Fail

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 230, 220, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

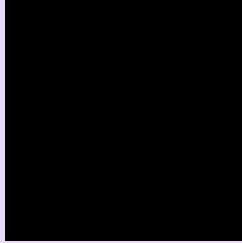
Any Text WCAG AA ✓ Pass

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 230, 220, 250 Background



This preview shows how black text looks on a background with the RYB color 230, 220, 250.

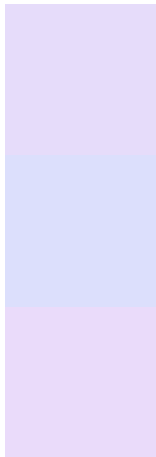


This preview shows how white text looks on a background with the RYB color 230, 220, 250.

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
230, 220, 250

Protanopia
220, 223, 252

Deuteranopia
234, 219, 250



Tritanopia
228, 222, 239

Trichromacy



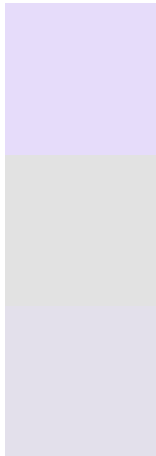
Original Color
230, 220, 250

Protanomaly
224, 222, 251

Deuteranomaly
233, 219, 250

Tritanomaly
229, 221, 243

Monochromacy



Original Color
230, 220, 250

Achromatopsia
226, 226, 226

Achromatomaly
227, 224, 235

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 220, 250 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(230, 220, 250)` looks like.

```
.text, #text, p{  
    color:rgb(230, 220, 250)  
}
```

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(230, 220, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 220, 250) }
```

Border

The CSS property to change the border of an element to RYB 230, 220, 250 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(230, 220, 250) }
```

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

```
.border{ border-color:rgb(230, 220, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 220, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 220, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 220, 250);  
box-shadow:4px 4px 4px 4px rgb(230, 220,  
250) }
```

Background

The CSS property to change the background color of an element to RYB 230, 220, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 220, 250) }
```

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

```
.background{ background-color: rgb(230,  
220, 250) }
```

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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