

Converting Colors

`RYB(234, 224, 255)`

Have a look what the booklet for
RYB(234, 224, 255) contains.

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Color

R_YB(234, 224, 255)

Conversions

Conversions Part 1

Format	Color
Hex	EAE0FF
RGB	234, 224, 255
RGB Percent	92%, 88%, 100%
CMY	0.0824, 0.1216, 0.0000
CMYK	0.08, 0.12, 0.00, 0.00
HSL	259°, 100%, 94%
HSV	259°, 12%, 100%
XYZ	78.6373, 78.0237, 105.5232
YIQ	230.5240, -3.9910, 11.7610

Conversions

Conversions Part 2

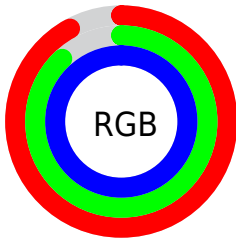
Format	Color
R_{YB}	234, 224, 255
Decimal	15393023
CIE Lab	90.79, 9.08, -13.80
CIE LCh	91, 16.521, 303.359
Yxy	78.0237, 0.2999, 0.2976
Android (android.graphics.Color)	4293583103 (0xFFEAE0FF)
YUV	230.5240, 12.0667, 3.0485
Hunter-Lab	88.3310, 4.3316, -8.9981

Details

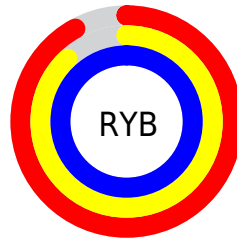
The RYB color `234, 224, 255` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `224, 255, 234`, and the grayscale version is `230, 230, 230`.

A 20% lighter version of the original color is `255, 255, 255`, and `178, 169, 198` is the 20% darker color. If you saturate the color by 10%, you get `217, 199, 255`, and if you desaturate by 10%, it is `251, 250, 255`.

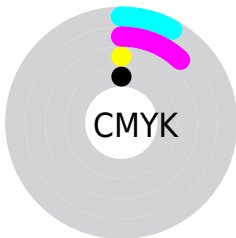
Distribution



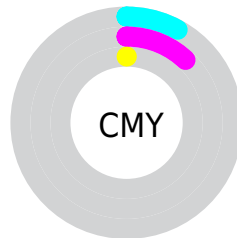
- Red (92%)
- Green (88%)
- Blue (100%)



- Red (92%)
- Yellow (88%)
- Blue (100%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 224, 255 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 234, 224, 255 by changing the saturation by 10% instead.

■ 234, 224, 255

255, 255, 255

■ 234, 224, 255

■ 206, 196, 226

■ 178, 169, 198

■ 151, 142, 171

■ 125, 117, 144

■ 100, 92, 119

■ 76, 69, 94


■ 53, 46, 70


■ 31, 26, 48

■ 11, 0, 27

 234, 224, 255


 234, 224, 255

 217, 199, 255


 251, 250, 255


 199, 173, 255

255, 255, 255

 182, 147, 255

 165, 122, 255

 148, 97, 255

 130, 71, 255

 113, 46, 255

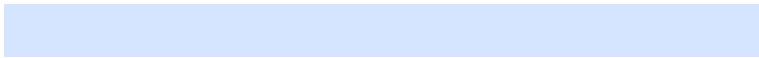
 96, 20, 255

 82, 0, 255

Harmonies

Analogous

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



214, 225, 255



234, 224, 255



251, 220, 243

Triad

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



234, 224, 255



254, 239, 201



192, 217, 238

Complementary

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



234, 224, 255



224, 255, 234

Split Complementary

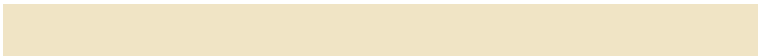
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



204, 229, 237



234, 224, 255



214, 240, 197

Square

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



234, 224, 255



255, 220, 212



202, 233, 213



188, 214, 245

Rectangle

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



234, 224, 255



255, 218, 233



202, 233, 213



195, 221, 238

Sweetspot

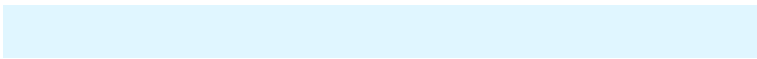
The Sweet Spot groups the original color and five complimentary colors.



234, 224, 255



248, 245, 255



224, 237, 255



123, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



234, 224, 255



229, 217, 255



249, 224, 255



119, 115, 128



62, 0, 191



21, 0, 64

Inverse Universe

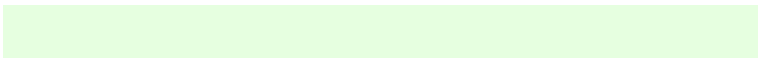
The Inverse Universe completely reimagines the original color for something new.



255, 224, 245



255, 217, 243



224, 255, 249



128, 115, 123



191, 0, 130



64, 0, 43

Previews

White Background



This preview shows how the RYB color 234, 224, 255 looks on a white background.

Color Contrast Check

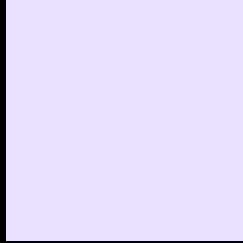
Large Text (above 18pt) WCAG AA × Fail

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 234, 224, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

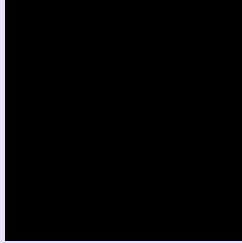
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

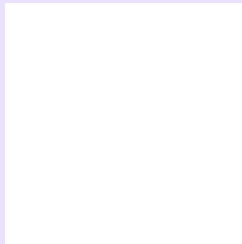
Any Text WCAG AAA ✓ Pass

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

RYB 234, 224, 255 Background



This preview shows how black text looks on a background with the RYB color 234, 224, 255.

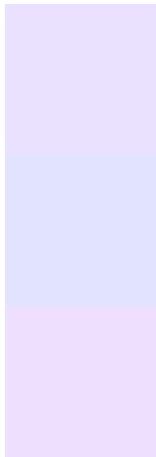


This preview shows how white text looks on a background with the RYB color 234, 224, 255.

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
234, 224, 255

Protanopia
225, 227, 255

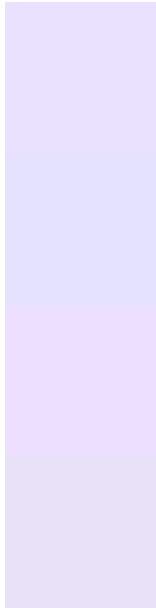
Deuteranopia
238, 223, 255



Tritanopia

232, 226, 244

Trichromacy



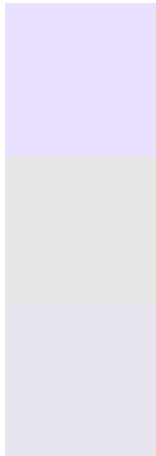
Original Color
234, 224, 255

Protanomaly
228, 226, 255

Deuteranomaly
237, 223, 255

Tritanomaly
233, 225, 248

Monochromacy



Original Color
234, 224, 255

Achromatopsia
231, 231, 231

Achromatomaly
232, 228, 240

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 224, 255 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(234, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 224, 255)  
}
```

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(234, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 224, 255) }
```

Border

The CSS property to change the border of an element to RYB 234, 224, 255 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(234, 224, 255) }
```

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

```
.border{ border-color:rgb(234, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 224,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 234, 224, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 224, 255) }
```

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

```
.background{ background-color: rgb(234,  
224, 255) }
```

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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