

Converting Colors

`RYB(236, 232, 255)`

Have a look what the booklet for
RYB(236, 232, 255) contains.

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Color

R_YB(236, 232, 255)

Conversions

Conversions Part 1

Format	Color
Hex	ECE8FF
RGB	236, 232, 255
RGB Percent	93%, 91%, 100%
CMY	0.0745, 0.0902, 0.0000
CMYK	0.07, 0.09, 0.00, 0.00
HSL	250°, 100%, 95%
HSV	250°, 9%, 100%
XYZ	81.4987, 82.7661, 106.2878
YIQ	235.8180, -4.9990, 8.0010

Conversions

Conversions Part 2

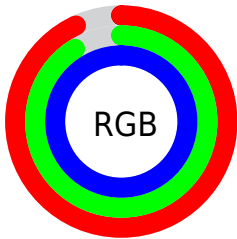
Format	Color
R_{YB}	236, 232, 255
Decimal	15526143
CIE _{Lab}	92.91, 5.57, -10.62
CIE _{LCh}	93, 11.990, 297.666
Yxy	82.7661, 0.3012, 0.3059
Android (android.graphics.Color)	4293716223 (0xFFECE8FF)
YUV	235.8180, 9.4567, 0.1596
Hunter-Lab	90.9759, 0.6974, -5.5858

Details

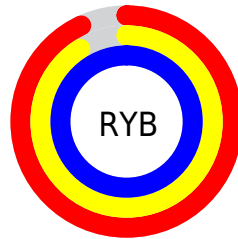
The RYB color `236, 232, 255` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `232, 255, 236`, and the grayscale version is `236, 236, 236`.

A 20% lighter version of the original color is `255, 255, 255`, and `180, 176, 198` is the 20% darker color. If you saturate the color by 10%, you get `215, 207, 255`, and if you desaturate by 10%, it is `255, 255, 255`.

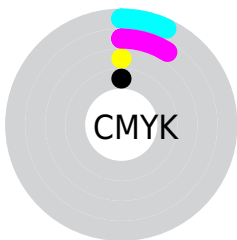
Distribution



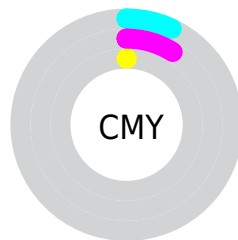
- Red (93%)
- Green (91%)
- Blue (100%)



- Red (93%)
- Yellow (91%)
- Blue (100%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 236, 232, 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 236, 232, 255 by changing the saturation by 10% instead.

■ 236, 232, 255

255, 255, 255

■ 236, 232, 255

■ 208, 204, 226

■ 180, 176, 198

■ 153, 150, 171

■ 127, 124, 144

■ 102, 99, 119

■ 78, 75, 94

■ 55, 53, 70

■ 33, 31, 48

■ 13, 7, 27

236, 232, 255

236, 232, 255

215, 207, 255

255, 255, 255

194, 181, 255

173, 155, 255

152, 130, 255

131, 105, 255

110, 79, 255

89, 54, 255

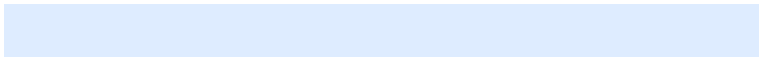
67, 28, 255

46, 3, 255

Harmonies

Analogous

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



222, 232, 255



236, 232, 255



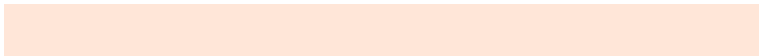
249, 229, 247

Triad

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



236, 232, 255



255, 238, 216



209, 228, 242

Complementary

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



236, 232, 255



232, 255, 236

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.



219, 237, 240



236, 232, 255



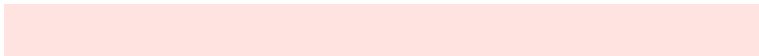
231, 245, 212

Square

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



236, 232, 255



255, 227, 224



214, 237, 219



206, 224, 245

Rectangle

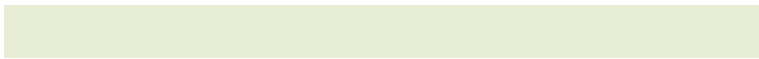
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



236, 232, 255



255, 227, 240



214, 237, 219



212, 230, 241

Sweetspot

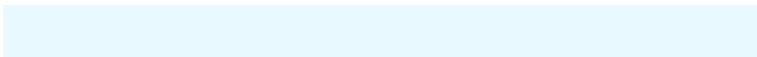
The Sweet Spot groups the original color and five complimentary colors.



236, 232, 255



249, 247, 255



232, 242, 255



123, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



236, 232, 255



232, 227, 255



247, 232, 255



117, 115, 128



33, 0, 191



11, 0, 64

Inverse Universe

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



255, 232, 251



255, 227, 250



232, 255, 247



128, 115, 125



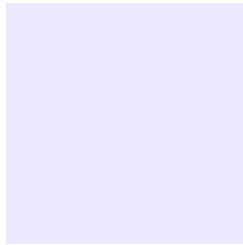
191, 0, 158



64, 0, 53

Previews

White Background



This preview shows how the RYB color 236, 232, 255 looks on a white background.

Color Contrast Check

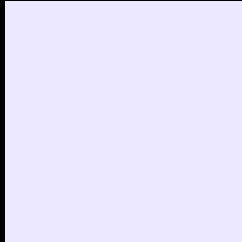
Large Text (above 18pt) WCAG AA × Fail

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 236, 232, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

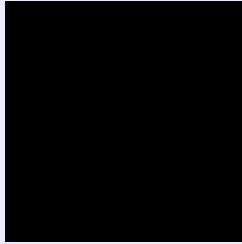
Any Text WCAG AA ✓ Pass

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 236, 232, 255 Background



This preview shows how black text looks on a background with the RYB color 236, 232, 255.

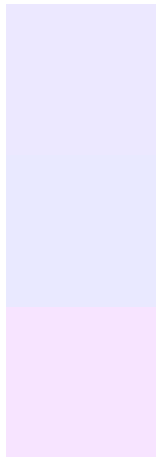


This preview shows how white text looks on a background with the RYB color 236, 232, 255.

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
236, 232, 255

Protanopia
233, 233, 255

Deuteranopia
247, 228, 255



Tritanopia
235, 233, 251

Trichromacy



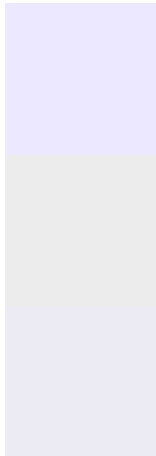
Original Color
236, 232, 255

Protanomaly
234, 233, 255

Deuteranomaly
243, 229, 255

Tritanomaly
235, 233, 252

Monochromacy



Original Color
236, 232, 255

Achromatopsia
236, 236, 236

Achromatomaly
236, 235, 243

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 232, 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(236, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 232, 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(236, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 232, 255) }
```

Border

The CSS property to change the border of an element to RYB 236, 232, 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(236, 232, 255) }
```

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

```
.border{ border-color:rgb(236, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 232,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 236, 232, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 232, 255) }
```

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

```
.background{ background-color: rgb(236,  
232, 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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