

Converting Colors

`RYB(236, 209, 253)`

Have a look what the booklet for RYB(236, 209, 253) contains.

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Color

R_YB(236, 209, 253)

Conversions

Conversions Part 1

Format	Color
Hex	ECD1FD
RGB	236, 209, 253
RGB Percent	93%, 82%, 99%
CMY	0.0745, 0.1804, 0.0078
CMYK	0.07, 0.17, 0.00, 0.01
HSL	277°, 92%, 91%
HSV	277°, 17%, 99%
XYZ	75.1222, 70.5256, 102.5820
YIQ	222.0890, 1.9680, 19.4080

Conversions

Conversions Part 2

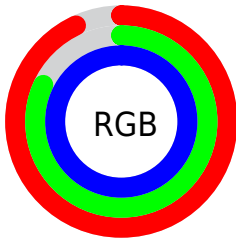
Format	Color
R _Y B	236, 209, 253
Decimal	15520253
CIE _{Lab}	87.25, 17.23, -18.04
CIE _{LCh}	87, 24.946, 313.680
Y _{xy}	70.5256, 0.3026, 0.2841
Android (android.graphics.Color)	4293710333 (0xFFECD1FD)
Y _{UV}	222.0890, 15.2391, 12.1999
Hunter-Lab	83.9795, 12.7093, -13.6377

Details

The RYB color **236, 209, 253** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **209, 253, 236**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **255, 255, 255**, and **180, 154, 196** is the 20% darker color. If you saturate the color by 10%, you get **226, 184, 253**, and if you desaturate by 10%, it is **246, 234, 253**.

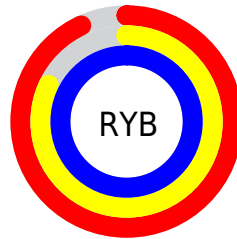
Distribution



Red (93%)

Green (82%)

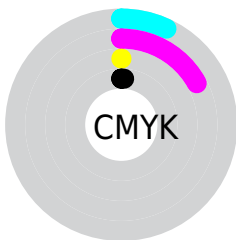
Blue (99%)



Red (93%)

Yellow (82%)

Blue (99%)

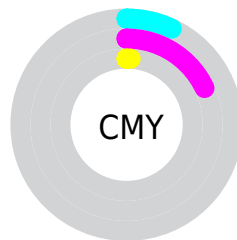


Cyan (7%)

Magenta (17%)

Yellow (0%)

Black (1%)



Cyan (7%)

Magenta (18%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 236, 209, 253 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, 209, 253 by changing the saturation by 10% instead.

■ 236, 209, 253

255, 255, 255

■ 236, 209, 253

■ 208, 181, 224

■ 180, 154, 196

■ 153, 128, 169

■ 127, 103, 143

■ 102, 79, 117

■ 77, 56, 92

■ 54, 34, 68

■ 32, 14, 46

■ 0, 0, 25

■ 236, 209, 253

■ 236, 209, 253

■ 226, 184, 253

■ 246, 234, 253

■ 216, 158, 253

253, 255, 253

■ 207, 133, 253

■ 197, 108, 253

■ 187, 82, 253

■ 177, 57, 253

■ 168, 32, 253

■ 158, 7, 253

■ 155, 0, 253

Harmonies

Analogous

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



206, 215, 255



236, 209, 253



255, 203, 233

Triad

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



236, 209, 253



243, 249, 174



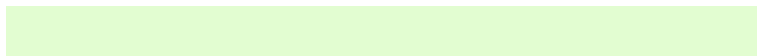
155, 194, 232

Complementary

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



236, 209, 253



209, 253, 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.



173, 210, 231



236, 209, 253



177, 225, 173

Square

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



236, 209, 253



255, 213, 187



184, 227, 213



155, 197, 250

Rectangle

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



236, 209, 253



255, 202, 216



184, 227, 213



160, 199, 232

Sweetspot

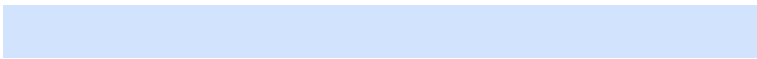
The Sweet Spot groups the original color and five complimentary colors.



236, 209, 253



250, 242, 255



209, 222, 253



125, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



236, 209, 253



234, 201, 255



253, 209, 249



123, 115, 128



117, 0, 191



39, 0, 64

Inverse Universe

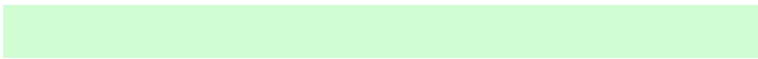
The Inverse Universe completely reimagines the original color for something new.



253, 209, 226



255, 201, 222



209, 249, 253



128, 115, 120



191, 0, 74



64, 0, 25

Previews

White Background



This preview shows how the RYB color 236, 209, 253 looks on a white background.

Color Contrast Check

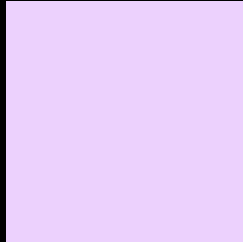
Large Text (above 18pt) WCAG AA × Fail

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, 209, 253 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

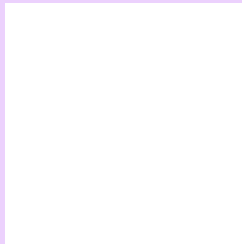
Any Text WCAG AAA ✓ Pass

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

R Y B 236, 209, 253 Background



This preview shows how black text looks on a background with the R Y B color 236, 209, 253.

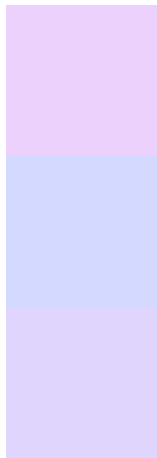


This preview shows how white text looks on a background with the R Y B color 236, 209, 253.

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](#).

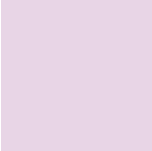
Dichromacy



Original Color
236, 209, 253

Protanopia
211, 216, 255

Deuteranopia
224, 213, 252



Tritanopia
232, 213, 230

Trichromacy



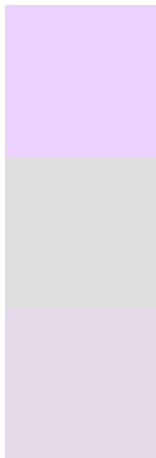
Original Color
236, 209, 253

Protanomaly
220, 214, 254

Deuteranomaly
228, 212, 252

Tritanomaly
233, 212, 238

Monochromacy



Original Color
236, 209, 253

Achromatopsia
222, 222, 222

Achromatomaly
227, 217, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 209, 253 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, 209, 253) looks like.

```
.text, #text, p{  
    color:rgb(236, 209, 253)  
}
```

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, 209, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 209, 253) }
```

Border

The CSS property to change the border of an element to RYB 236, 209, 253 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, 209, 253) }
```

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

```
.border{ border-color:rgb(236, 209, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 209, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 209, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 209, 253);  
box-shadow:4px 4px 4px 4px rgb(236, 209,  
253) }
```

Background

The CSS property to change the background color of an element to RYB 236, 209, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 209, 253) }
```

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

```
.background{ background-color: rgb(236,  
209, 253) }
```

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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