

Converting Colors

`RYB(224, 157, 237)`

Have a look what the booklet for RYB(224, 157, 237) contains.

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Color

R_YB(224, 157, 237)

Conversions

Conversions Part 1

Format	Color
Hex	E09DED
RGB	224, 157, 237
RGB Percent	88%, 62%, 93%
CMY	0.1216, 0.3843, 0.0706
CMYK	0.05, 0.34, 0.00, 0.07
HSL	290°, 69%, 77%
HSV	290°, 34%, 93%
XYZ	58.0835, 46.0757, 85.9529
YIQ	186.1530, 14.2520, 39.0840

Conversions

Conversions Part 2

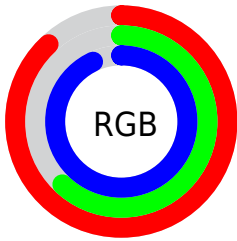
Format	Color
RYB	224, 157, 237
Decimal	14720493
CIELab	73.59, 38.12, -30.37
CIELCh	74, 48.735, 321.457
Yxy	46.0757, 0.3055, 0.2424
Android (android.graphics.Color)	4292910573 (0xFFE09DED)
YUV	186.1530, 25.0676, 33.1918
Hunter-Lab	67.8791, 33.9525, -27.5616

Details

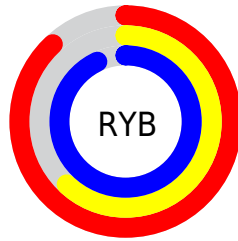
The RYB color **224, 157, 237** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **157, 237, 224**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **255, 212, 255**, and **168, 104, 181** is the 20% darker color. If you saturate the color by 10%, you get **220, 133, 237**, and if you desaturate by 10%, it is **228, 181, 237**.

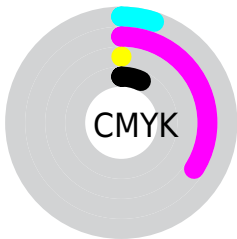
Distribution



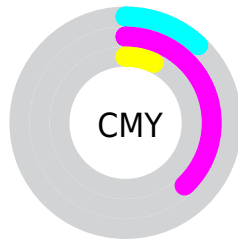
- Red (88%)
- Green (62%)
- Blue (93%)



- Red (88%)
- Yellow (62%)
- Blue (93%)



- Cyan (5%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)



- Cyan (12%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 157, 237 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 224, 157, 237 by changing the saturation by 10% instead.

 224, 157, 237

 224, 157, 237


255, 255, 255


 195, 130, 209

 255, 212, 255

 168, 104, 181

 255, 241, 255

 140, 79, 154

 114, 55, 128

 88, 30, 102

 63, 2, 78

 40, 0, 55

 4, 0, 33

 0, 0, 5

■ 224, 157, 237

■ 224, 157, 237

■ 220, 133, 237

■ 228, 181, 237

■ 216, 110, 237

■ 232, 204, 237

■ 212, 86, 237

■ 236, 228, 237

■ 209, 62, 237

■ 237, 252, 250

■ 205, 39, 237

■ 237, 255, 249

■ 201, 15, 237

■ 237, 255, 245

■ 198, 0, 237

■ 237, 255, 241

■ 237, 255, 237

Harmonies

Analogous

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



165, 173, 255



224, 157, 237



255, 145, 196

Triad

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



224, 157, 237



160, 219, 91



0, 104, 212

Complementary

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



224, 157, 237



157, 237, 224

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.



45, 134, 203



224, 157, 237



95, 188, 107

Square

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



224, 157, 237



251, 181, 112



123, 198, 197



0, 111, 250

Rectangle

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



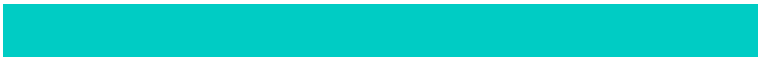
224, 157, 237



255, 144, 165



123, 198, 197



0, 104, 204

Sweetspot

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



224, 157, 237



251, 230, 255



157, 168, 237



125, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



224, 157, 237



238, 150, 255



237, 157, 210



115, 106, 117



152, 0, 181



45, 0, 54

Inverse Universe

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



237, 157, 170



255, 150, 167



157, 217, 237



117, 106, 107



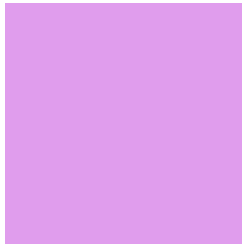
181, 0, 29



54, 0, 9

Previews

White Background



This preview shows how the RYB color 224, 157, 237 looks on a white background.

Color Contrast Check

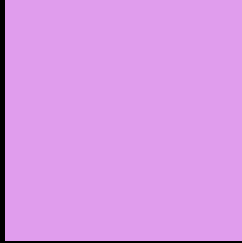
Large Text (above 18pt) WCAG AA × Fail

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 224, 157, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

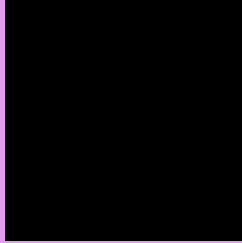
Any Text WCAG AA ✓ Pass

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 224, 157, 237 Background



This preview shows how black text looks on a background with the RYB color 224, 157, 237.

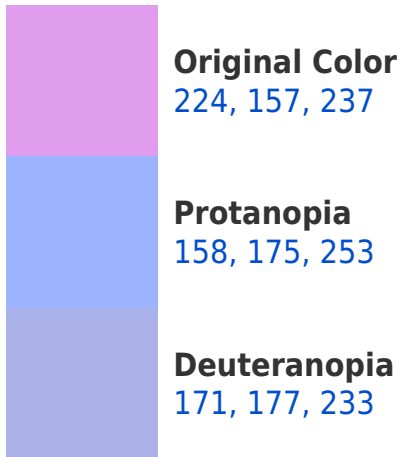



This preview shows how white text looks on a background with the RYB color 224, 157, 237.

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





Tritanopia
216, 168, 181

Trichromacy



Original Color
224, 157, 237



Protanomaly
182, 171, 247



Deuteranomaly
190, 170, 234



Tritanomaly
219, 164, 201

Monochromacy



Original Color
224, 157, 237



Achromatopsia
186, 186, 186



Achromatomaly
200, 175, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 157, 237 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(224, 157, 237) looks like.

```
.text, #text, p{  
    color:rgb(224, 157, 237)  
}
```

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(224, 157, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 157, 237) }
```

Border

The CSS property to change the border of an element to RYB 224, 157, 237 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(224, 157, 237) }
```

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

```
.border{ border-color:rgb(224, 157, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 157, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 157, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 157, 237);  
box-shadow:4px 4px 4px 4px rgb(224, 157,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 224, 157, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 157, 237) }
```

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

```
.background{ background-color: rgb(224,  
157, 237) }
```

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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