

Converting Colors

`RYB(230, 157, 243)`

Have a look what the booklet for
RYB(230, 157, 243) contains.

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Color

R_YB(230, 157, 243)

Conversions

Conversions Part 1

Format	Color
Hex	E69DF3
RGB	230, 157, 243
RGB Percent	90%, 62%, 95%
CMY	0.0980, 0.3843, 0.0471
CMYK	0.05, 0.35, 0.00, 0.05
HSL	291°, 78%, 78%
HSV	291°, 35%, 95%
XYZ	60.8678, 47.4080, 90.7366
YIQ	188.6310, 15.9020, 42.2220

Conversions

Conversions Part 2

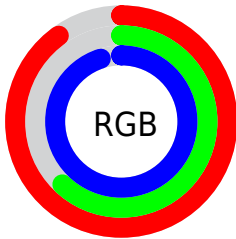
Format	Color
RYB	230, 157, 243
Decimal	15113715
CIELab	74.45, 41.11, -32.26
CIElCh	74, 52.252, 321.875
Yxy	47.4080, 0.3058, 0.2382
Android (android.graphics.Color)	4293303795 (0xFFE69DF3)
YUV	188.6310, 26.8039, 36.2806
Hunter-Lab	68.8535, 37.3038, -29.9362

Details

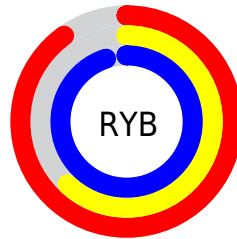
The RYB color **230, 157, 243** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **157, 243, 230**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **255, 213, 255**, and **173, 104, 187** is the 20% darker color. If you saturate the color by 10%, you get **226, 133, 243**, and if you desaturate by 10%, it is **234, 181, 243**.

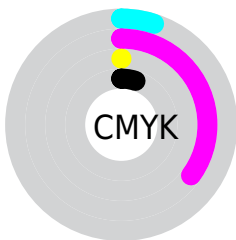
Distribution



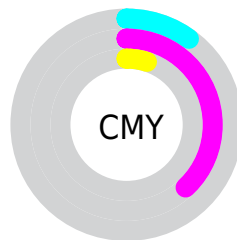
- Red (90%)
- Green (62%)
- Blue (95%)



- Red (90%)
- Yellow (62%)
- Blue (95%)



- Cyan (5%)
- Magenta (35%)
- Yellow (0%)
- Black (5%)





- Cyan (10%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the RYB color 230, 157, 243 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, 157, 243 by changing the saturation by 10% instead.

 230, 157, 243

 230, 157, 243


255, 255, 255

 201, 130, 214

 255, 213, 255

 173, 104, 187

 255, 241, 255


 146, 79, 159

 119, 54, 133

 93, 28, 107

 68, 0, 83


 44, 0, 59

 15, 0, 37

 0, 1, 13

 230, 157, 243

 230, 157, 243

 226, 133, 243

 234, 181, 243

 223, 108, 243

 237, 206, 243

 219, 84, 243


 241, 230, 243

 215, 60, 243

 243, 254, 252

 212, 36, 243

 243, 255, 250

 208, 11, 243

 243, 255, 246

 206, 0, 243

 243, 255, 243

Harmonies

Analogous

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



166, 175, 255



230, 157, 243



255, 144, 198

Triad

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



230, 157, 243



158, 223, 86



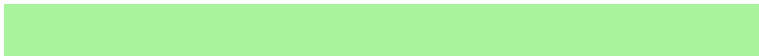
0, 106, 217

Complementary

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



230, 157, 243



157, 243, 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.



5, 117, 207



230, 157, 243



90, 191, 104

Square

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



230, 157, 243



255, 183, 109



120, 200, 202



0, 113, 255

Rectangle

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



230, 157, 243



255, 143, 166



120, 200, 202



0, 106, 208

Sweetspot

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



230, 157, 243



251, 227, 255



157, 169, 243



125, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



230, 157, 243



239, 148, 255



243, 157, 214



121, 110, 122



158, 0, 186



50, 0, 59

Inverse Universe

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



243, 157, 170



255, 148, 164



157, 221, 243



122, 110, 112



186, 0, 28



59, 0, 9

Previews

White Background



This preview shows how the RYB color 230, 157, 243 looks on a white background.

Color Contrast Check

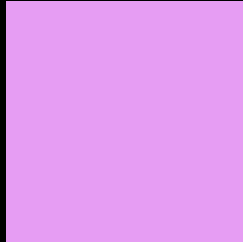
Large Text (above 18pt) WCAG AA × Fail

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, 157, 243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

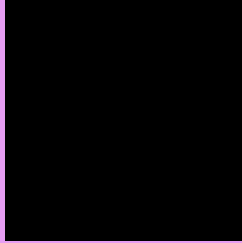
Any Text WCAG AA ✓ Pass

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, 157, 243 Background



This preview shows how black text looks on a background with the RYB color 230, 157, 243.

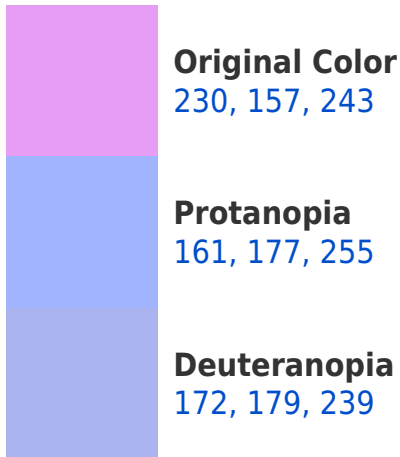


This preview shows how white text looks on a background with the RYB color 230, 157, 243.

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
221, 169, 182

Trichromacy



Original Color
230, 157, 243



Protanomaly
186, 172, 251



Deuteranomaly
193, 172, 240



Tritanomaly
224, 165, 204

Monochromacy



Original Color
230, 157, 243



Achromatopsia
189, 189, 189



Achromatomaly
204, 177, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 157, 243 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, 157, 243) looks like.

```
.text, #text, p{  
    color:rgb(230, 157, 243)  
}
```

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, 157, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 157, 243) }
```

Border

The CSS property to change the border of an element to RYB 230, 157, 243 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, 157, 243) }
```

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

```
.border{ border-color:rgb(230, 157, 243) }
```

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

Here you see how a box with a 4 pixel rgb(230, 157, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 157, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 157, 243);  
box-shadow:4px 4px 4px 4px rgb(230, 157,  
243) }
```

Background

The CSS property to change the background color of an element to RYB 230, 157, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 157, 243) }
```

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

```
.background{ background-color: rgb(230,  
157, 243) }
```

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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