

Converting Colors

`RYB(228, 197, 232)`

Have a look what the booklet for
RYB(228, 197, 232) contains.

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Color

R_YB(228, 197, 232)

Conversions

Conversions Part 1

Format	Color
Hex	E4C5E8
RGB	228, 197, 232
RGB Percent	89%, 77%, 91%
CMY	0.1059, 0.2275, 0.0902
CMYK	0.02, 0.15, 0.00, 0.09
HSL	293°, 43%, 84%
HSV	293°, 15%, 91%
XYZ	66.5266, 62.2527, 84.8536
YIQ	210.2590, 7.2410, 17.4570

Conversions

Conversions Part 2

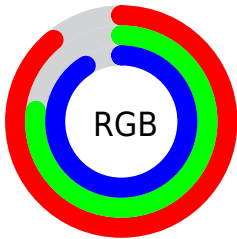
Format	Color
R _Y B	228, 197, 232
Decimal	14992872
CIE Lab	83.05, 17.01, -13.28
CIE LCh	83, 21.577, 322.024
Yxy	62.2527, 0.3114, 0.2914
Android (android.graphics.Color)	4293182952 (0xFFE4C5E8)
YUV	210.2590, 10.7183, 15.5589
Hunter-Lab	78.9004, 12.4307, -8.5333

Details

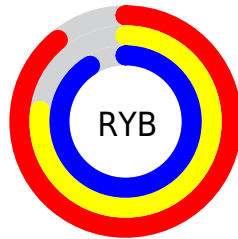
The RYB color **228, 197, 232** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **197, 232, 228**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is 255, 254, 255, and **172, 143, 176** is the 20% darker color. If you saturate the color by 10%, you get **225, 174, 232**, and if you desaturate by 10%, it is **231, 220, 232**.

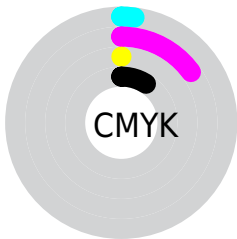
Distribution



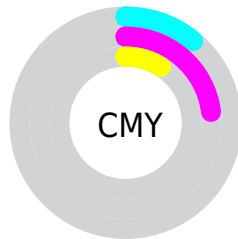
- Red (89%)
- Green (77%)
- Blue (91%)



- Red (89%)
- Yellow (77%)
- Blue (91%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 197, 232 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 228, 197, 232 by changing the saturation by 10% instead.


 228, 197, 232

255, 255, 255

255, 254, 255

 228, 197, 232


 200, 170, 204


 172, 143, 176

 146, 117, 150

 120, 93, 124

 95, 69, 99

 71, 46, 75

 48, 25, 52


 29, 0, 31

 0, 0, 3

 228, 197, 232


 228, 197, 232

 225, 174, 232


 231, 220, 232

 223, 151, 232

 232, 243, 242

 220, 127, 232

 232, 255, 251

 217, 104, 232

 232, 255, 248

 215, 81, 232

 232, 255, 246

 212, 58, 232

 232, 255, 243

 209, 35, 232

 232, 255, 240

 207, 11, 232

 232, 255, 238

 205, 0, 232

 232, 255, 235

Harmonies

Analogous

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



203, 203, 244



228, 197, 232



244, 193, 213

Triad

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



228, 197, 232



207, 228, 167



152, 186, 221

Complementary

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



228, 197, 232



197, 232, 228

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.



163, 196, 218



228, 197, 232



169, 210, 172

Square

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



228, 197, 232



243, 207, 176



181, 215, 213



157, 191, 238

Rectangle

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



228, 197, 232



249, 193, 199



181, 215, 213



154, 188, 219

Sweetspot

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



228, 197, 232



254, 242, 255



197, 201, 232



127, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 197, 232



250, 209, 255



232, 197, 219



113, 103, 115



158, 0, 179



45, 0, 51

Inverse Universe

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



232, 197, 201



255, 209, 214



197, 223, 232



115, 103, 105



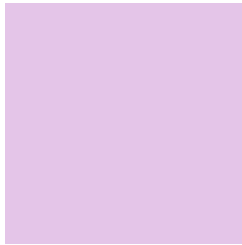
179, 0, 20



51, 0, 6

Previews

White Background



This preview shows how the RYB color 228, 197, 232 looks on a white background.

Color Contrast Check

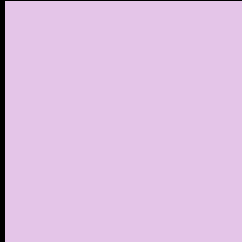
Large Text (above 18pt) WCAG AA × Fail

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 228, 197, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

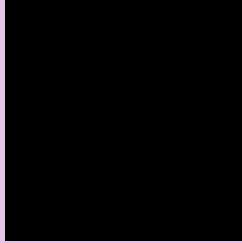
Any Text WCAG AA ✓ Pass

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 228, 197, 232 Background



This preview shows how black text looks on a background with the RYB color 228, 197, 232.



This preview shows how white text looks on a background with the RYB color 228, 197, 232.

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
228, 197, 232

Protanopia
202, 205, 237

Deuteranopia
216, 201, 231



Tritanopia
226, 200, 215

Trichromacy



Original Color
228, 197, 232

Protanomaly
211, 202, 235

Deuteranomaly
220, 200, 231

Tritanomaly
227, 199, 221

Monochromacy



Original Color
228, 197, 232

Achromatopsia
210, 210, 210

Achromatomaly
217, 205, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 197, 232 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(228, 197, 232) looks like.

```
.text, #text, p{  
    color:rgb(228, 197, 232)  
}
```

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(228, 197, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 197, 232) }
```

Border

The CSS property to change the border of an element to RYB 228, 197, 232 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(228, 197, 232) }
```

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

```
.border{ border-color:rgb(228, 197, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 197, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 197, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 197, 232);  
box-shadow:4px 4px 4px 4px rgb(228, 197,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 228, 197, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 197, 232) }
```

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

```
.background{ background-color: rgb(228,  
197, 232) }
```

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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