

# Converting Colors

RGB(228, 161, 251)

Have a look what the booklet for  
RGB(228, 161, 251) contains.

<b>RGB(228, 161, 251)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**RGB(228, 161, 251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4A1FB
RGB	228, 161, 251
RGB Percent	89%, 63%, 98%
CMY	0.1059, 0.3686, 0.0157
CMYK	0.09, 0.36, 0.00, 0.02
HSL	285°, 92%, 81%
HSV	285°, 36%, 98%
XYZ	62.1524, 48.9488, 97.4391
YIQ	191.2930, 11.0420, 42.1940

# Conversions

## Conversions Part 2

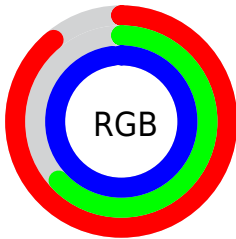
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 161, 251
Decimal	14983675
CIE <sub>Lab</sub>	75.42, 39.94, -35.11
CIE <sub>LCh</sub>	75, 53.178, 318.678
Yxy	48.9488, 0.2980, 0.2347
Android (android.graphics.Color)	4293173755 (0xFFE4A1FB)
YUV	191.2930, 29.4356, 32.1920
Hunter-Lab	69.9634, 36.1355, -33.5997

# Details

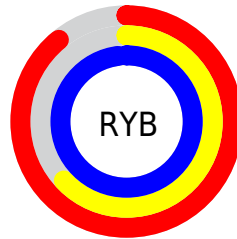
The RGB color **228, 161, 251** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **184, 251, 161**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **255, 217, 255**, and **171, 108, 194** is the 20% darker color. If you saturate the color by 10%, you get **222, 136, 251**, and if you desaturate by 10%, it is **234, 186, 251**.

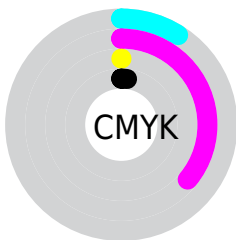
# Distribution



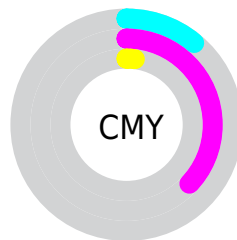
- Red (89%)
- Green (63%)
- Blue (98%)



- Red (89%)
- Yellow (63%)
- Blue (98%)



- Cyan (9%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (37%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 228, 161, 251 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 RGB color 228, 161, 251 by changing the saturation by 10% instead.





 228, 161, 251


255, 255, 255

 255, 217, 255

 255, 245, 255


 228, 161, 251

 199, 134, 222


 171, 108, 194

 144, 83, 167

 117, 58, 140

 91, 33, 114

 66, 5, 89


 41, 0, 65


 15, 0, 43

 0, 1, 21

 228, 161, 251

 228, 161, 251

 222, 136, 251


 234, 186, 251

 215, 111, 251

 241, 211, 251

 209, 86, 251


 247, 236, 251

 202, 61, 251

 254, 255, 251

 196, 35, 251

 255, 255, 251

 190, 10, 251

 187, 0, 251

# Harmonies

## Analogous

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



159, 180, 255



228, 161, 251



255, 147, 207

# Triad

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



228, 161, 251



231, 177, 88



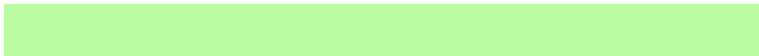
0, 211, 216

# Complementary

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



228, 161, 251



184, 251, 161

# 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.



34, 210, 165



228, 161, 251



185, 193, 89

# Square

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



228, 161, 251



255, 159, 114



128, 204, 119



0, 207, 255

# Rectangle

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



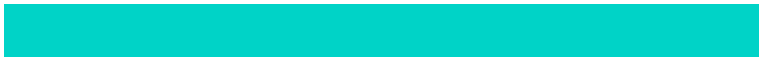
228, 161, 251



255, 144, 173



128, 204, 119



0, 211, 199



# Sweetspot

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



228, 161, 251



248, 227, 255



161, 185, 251



123, 111, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



228, 161, 251



227, 145, 255



251, 161, 230



122, 112, 125



140, 0, 189



46, 0, 61



# Inverse Universe

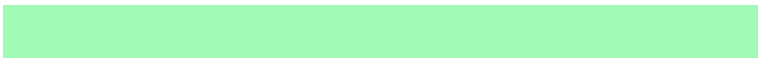
The Inverse Universe completely reimagines the original color for something new.



251, 161, 184



255, 145, 173



161, 251, 182



125, 112, 116



189, 0, 48

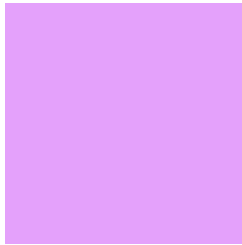


61, 0, 16



# Previews

## White Background



This preview shows how the RGB color 228, 161, 251 looks on a white background.

## Color Contrast Check

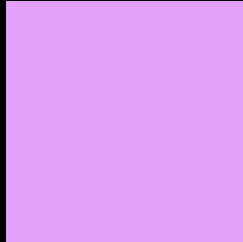
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 228, 161, 251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

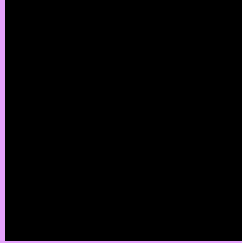
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RGB 228, 161, 251 Background



This preview shows how black text looks on a background with the RGB color 228, 161, 251.

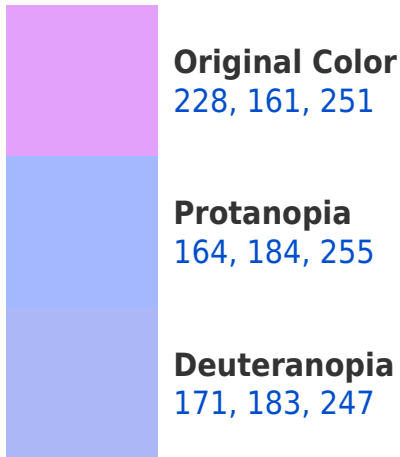


This preview shows how white text looks on a background with the RGB color 228, 161, 251.

# 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**  
219, 174, 188

# Trichromacy



**Original Color**

228, 161, 251



**Protanomaly**

187, 176, 254



**Deuteranomaly**

192, 175, 248



**Tritanomaly**

222, 169, 211

# Monochromacy



**Original Color**

228, 161, 251



**Achromatopsia**

191, 191, 191



**Achromatomaly**

204, 180, 213

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 228, 161, 251 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, 161, 251)` looks like.

```
.text, #text, p{  
    color:rgb(228, 161, 251)  
}
```

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, 161, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 161, 251) }
```

## Border

The CSS property to change the border of an element to RGB 228, 161, 251 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, 161, 251) }
```

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

```
.border{ border-color:rgb(228, 161, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 161, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 161, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 161, 251);  
box-shadow:4px 4px 4px 4px rgb(228, 161,  
251) }
```

# Background

The CSS property to change the background color of an element to RGB 228, 161, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 161, 251) }
```

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

```
.background{ background-color: rgb(228,  
161, 251) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor