

Converting Colors

`RYB(227, 164, 250)`

Have a look what the booklet for
RYB(227, 164, 250) contains.

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Color

R_YB(227, 164, 250)

Conversions

Conversions Part 1

Format	Color
Hex	E3A4FA
RGB	227, 164, 250
RGB Percent	89%, 64%, 98%
CMY	0.1098, 0.3569, 0.0196
CMYK	0.09, 0.34, 0.00, 0.02
HSL	284°, 90%, 81%
HSV	284°, 34%, 98%
XYZ	62.2093, 49.7839, 96.7730
YIQ	192.6410, 9.9420, 40.1020

Conversions

Conversions Part 2

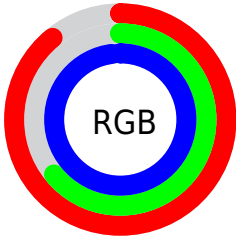
Format	Color
R _Y B	227, 164, 250
Decimal	14918906
CIE Lab	75.94, 37.84, -33.78
CIE LCh	76, 50.726, 318.245
Yxy	49.7839, 0.2980, 0.2385
Android (android.graphics.Color)	4293108986 (0xFFE3A4FA)
YUV	192.6410, 28.2780, 30.1328
Hunter-Lab	70.5577, 33.9038, -31.9284

Details

The RYB color **227, 164, 250** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **164, 250, 227**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **255, 220, 255**, and **170, 111, 193** is the 20% darker color. If you saturate the color by 10%, you get **220, 139, 250**, and if you desaturate by 10%, it is **234, 189, 250**.

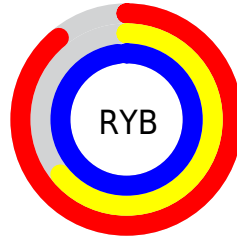
Distribution



Red (89%)

Green (64%)

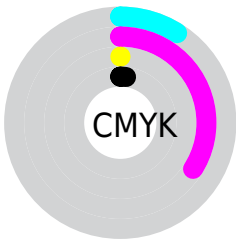
Blue (98%)



Red (89%)

Yellow (64%)

Blue (98%)

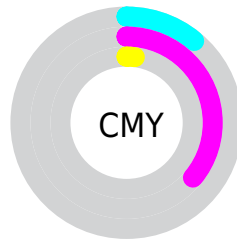


Cyan (9%)

Magenta (34%)

Yellow (0%)

Black (2%)



Cyan (11%)


Magenta (36%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the RYB color 227, 164, 250 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 227, 164, 250 by changing the saturation by 10% instead.


 227, 164, 250

 227, 164, 250

255, 255, 255

 198, 137, 221


 255, 220, 255

 170, 111, 193

 255, 249, 255

 143, 86, 166

 117, 61, 139


 91, 37, 113

 65, 11, 89


 41, 0, 65

 16, 0, 42


 0, 1, 20

 227, 164, 250

 227, 164, 250

 220, 139, 250


 234, 189, 250

 214, 114, 250

 240, 214, 250

 207, 89, 250

 247, 239, 250

 200, 64, 250

 250, 255, 251

 194, 39, 250

 250, 255, 250

 187, 14, 250

 183, 0, 250

Harmonies

Analogous

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



162, 178, 255



227, 164, 250



255, 151, 208

Triad

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



227, 164, 250



183, 232, 94



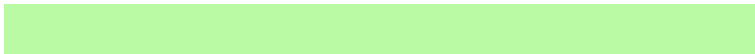
0, 106, 215

Complementary

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



227, 164, 250



164, 250, 227

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.



56, 145, 210



227, 164, 250



95, 193, 101

Square

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



227, 164, 250



255, 180, 119



123, 204, 193



0, 114, 255

Rectangle

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



227, 164, 250



255, 148, 176



123, 204, 193



0, 109, 211

Sweetspot

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



227, 164, 250



248, 230, 255



164, 183, 250



123, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



227, 164, 250



227, 150, 255



250, 164, 231



122, 112, 125



138, 0, 189



45, 0, 61

Inverse Universe

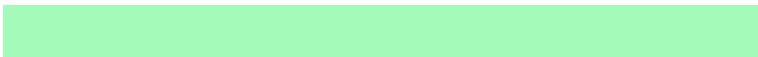
The Inverse Universe completely reimagines the original color for something new.



250, 164, 187



255, 150, 178



164, 234, 250



125, 112, 116



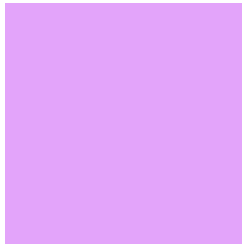
189, 0, 50



61, 0, 16

Previews

White Background



This preview shows how the RYB color 227, 164, 250 looks on a white background.

Color Contrast Check

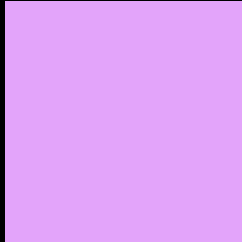
Large Text (above 18pt) WCAG AA × Fail

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 227, 164, 250 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](#).

RYP 227, 164, 250 Background



This preview shows how black text looks on a background with the RYB color 227, 164, 250.



This preview shows how white text looks on a background with the RYB color 227, 164, 250.

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
227, 164, 250

Protanopia
167, 182, 255

Deuteranopia
174, 183, 246



Tritanopia
218, 176, 190

Trichromacy



Original Color

227, 164, 250



Protanomaly

189, 177, 253



Deuteranomaly

193, 177, 247



Tritanomaly

221, 172, 212

Monochromacy



Original Color

227, 164, 250



Achromatopsia

193, 193, 193



Achromatomaly

205, 182, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 164, 250 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(227, 164, 250)` looks like.

```
.text, #text, p{  
    color:rgb(227, 164, 250)  
}
```

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(227, 164, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 164, 250) }
```

Border

The CSS property to change the border of an element to RYB 227, 164, 250 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(227, 164, 250) }
```

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

```
.border{ border-color:rgb(227, 164, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 164, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 164, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 164, 250);  
box-shadow:4px 4px 4px 4px rgb(227, 164,  
250) }
```

Background

The CSS property to change the background color of an element to RYB 227, 164, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 164, 250) }
```

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

```
.background{ background-color: rgb(227,  
164, 250) }
```

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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