

Converting Colors

`RYB(228, 157, 246)`

Have a look what the booklet for
RYB(228, 157, 246) contains.

RYB(228, 157, 246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(228, 157, 246)

Conversions

Conversions Part 1

Format	Color
Hex	E49DF6
RGB	228, 157, 246
RGB Percent	89%, 62%, 96%
CMY	0.1059, 0.3843, 0.0353
CMYK	0.07, 0.36, 0.00, 0.04
HSL	288°, 83%, 79%
HSV	288°, 36%, 96%
XYZ	60.6864, 47.2617, 93.1127
YIQ	188.3750, 13.7470, 42.7310

Conversions

Conversions Part 2

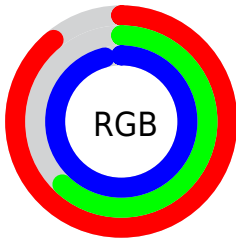
Format	Color
R _Y B	228, 157, 246
Decimal	14982646
CIE Lab	74.36, 41.08, -34.05
CIE LCh	74, 53.355, 320.345
Yxy	47.2617, 0.3018, 0.2351
Android (android.graphics.Color)	4293172726 (0xFFE49DF6)
YUV	188.3750, 28.4091, 34.7511
Hunter-Lab	68.7472, 37.2630, -32.1807

Details

The RYB color **228, 157, 246** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **157, 246, 228**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **255, 213, 255**, and **171, 104, 189** is the 20% darker color. If you saturate the color by 10%, you get **223, 132, 246**, and if you desaturate by 10%, it is **233, 182, 246**.

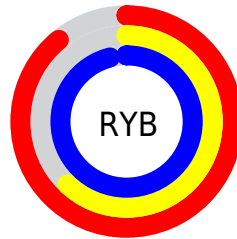
Distribution



Red (89%)

Green (62%)

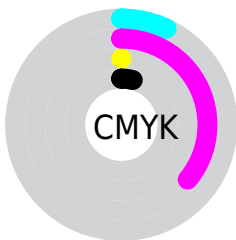
Blue (96%)



Red (89%)

Yellow (62%)

Blue (96%)

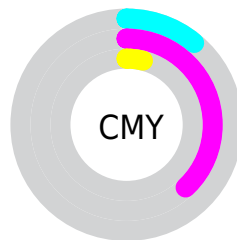


Cyan (7%)

Magenta (36%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (38%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 157, 246 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, 157, 246 by changing the saturation by 10% instead.

 228, 157, 246

255, 255, 255


 255, 213, 255

 255, 241, 255

 228, 157, 246

 199, 130, 217

 171, 104, 189

 144, 79, 162


 117, 54, 136

 91, 29, 110

 66, 0, 85

 42, 0, 62

 12, 0, 39

 0, 1, 16

■ 228, 157, 246

■ 228, 157, 246

■ 223, 132, 246

■ 233, 182, 246

■ 218, 108, 246

■ 238, 206, 246

■ 213, 83, 246

■ 243, 231, 246

■ 208, 59, 246

■ 246, 255, 253

■ 203, 34, 246

■ 246, 255, 248

■ 198, 9, 246

■ 246, 255, 246

■ 196, 0, 246

Harmonies

Analogous

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



161, 174, 255



228, 157, 246



255, 143, 201

Triad

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



228, 157, 246



164, 226, 84



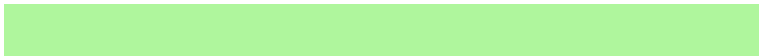
0, 106, 215

Complementary

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



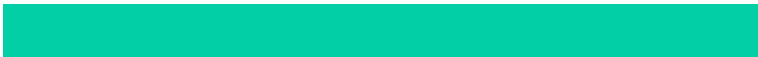
228, 157, 246



157, 246, 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.



2, 116, 207



228, 157, 246



87, 190, 98

Square

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



228, 157, 246



255, 181, 109



118, 201, 197



0, 113, 255

Rectangle

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



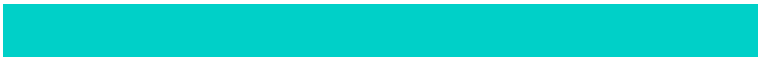
228, 157, 246



255, 141, 168



118, 201, 197



0, 106, 208

Sweetspot

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



228, 157, 246



249, 227, 255



157, 173, 246



124, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 157, 246



233, 145, 255



246, 157, 221



120, 110, 122



149, 0, 186



47, 0, 59

Inverse Universe

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



246, 157, 175



255, 145, 168



157, 226, 246



122, 110, 113



186, 0, 38



59, 0, 12

Previews

White Background



This preview shows how the RYB color 228, 157, 246 looks on a white background.

Color Contrast Check

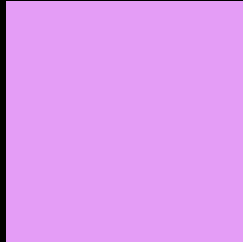
Large Text (above 18pt) WCAG AA × Fail

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, 157, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

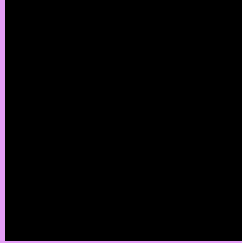
Any Text WCAG AA ✓ Pass

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, 157, 246 Background



This preview shows how black text looks on a background with the RYB color 228, 157, 246.



This preview shows how white text looks on a background with the RYB color 228, 157, 246.

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, 157, 246

Protanopia
160, 177, 255

Deuteranopia
169, 179, 242



Tritanopia
219, 170, 183

Trichromacy



Original Color

228, 157, 246



Protanomaly

185, 172, 252



Deuteranomaly

190, 172, 243



Tritanomaly

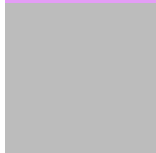
222, 165, 206

Monochromacy



Original Color

228, 157, 246



Achromatopsia

188, 188, 188



Achromatomaly

203, 177, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 157, 246 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, 157, 246) looks like.

```
.text, #text, p{  
    color:rgb(228, 157, 246)  
}
```

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, 157, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 157, 246) }
```

Border

The CSS property to change the border of an element to RYB 228, 157, 246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

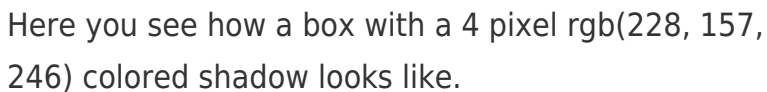
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 157, 246) }
```

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

```
.border{ border-color:rgb(228, 157, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 157, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 157, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 157, 246);  
box-shadow:4px 4px 4px 4px rgb(228, 157,  
246) }
```

Background

The CSS property to change the background color of an element to RYB 228, 157, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 157, 246) }
```

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

```
.background{ background-color: rgb(228,  
157, 246) }
```

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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