

# Converting Colors

`RYB(209, 145, 255)`

Have a look what the booklet for  
RYB(209, 145, 255) contains.

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# **Color**

**RYB(209, 145, 255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D191FF
RGB	209, 145, 255
RGB Percent	82%, 57%, 100%
CMY	0.1804, 0.4314, 0.0000
CMYK	0.18, 0.43, 0.00, 0.00
HSL	275°, 100%, 78%
HSV	275°, 43%, 100%
XYZ	54.4699, 41.0261, 99.6557
YIQ	176.6760, 2.8340, 47.7780

# Conversions

## Conversions Part 2

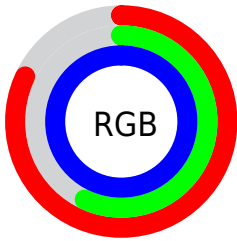
Format	Color
R <sub>YB</sub>	209, 145, 255
Decimal	13734399
CIE Lab	70.19, 43.79, -45.57
CIE LCh	70, 63.199, 313.855
Yxy	41.0261, 0.2791, 0.2102
Android (android.graphics.Color)	4291924479 (0xFFD191FF)
YUV	176.6760, 38.6137, 28.3481
Hunter-Lab	64.0516, 39.7071, -47.4111

# Details

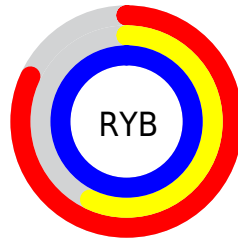
The RYB color **209, 145, 255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **145, 255, 209**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **255, 200, 255**, and **153, 93, 198** is the 20% darker color. If you saturate the color by 10%, you get **198, 120, 255**, and if you desaturate by 10%, it is **220, 171, 255**.

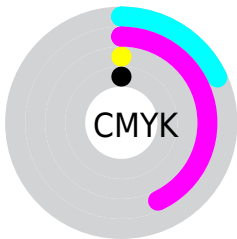
# Distribution



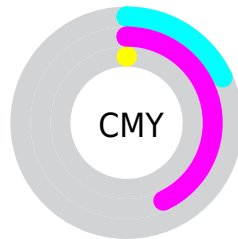
- Red (82%)
- Green (57%)
- Blue (100%)



- Red (82%)
- Yellow (57%)
- Blue (100%)



- Cyan (18%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (43%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 209, 145, 255 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 209, 145, 255 by changing the saturation by 10% instead.



 209, 145, 255

 209, 145, 255

255, 255, 255

 180, 119, 226

 255, 200, 255

 153, 93, 198

 255, 228, 255


 125, 68, 170


 98, 43, 143

 72, 16, 117

 45, 0, 92


 23, 0, 68


 0, 2, 44

 0, 1, 23


 209, 145, 255

 209, 145, 255

 198, 120, 255

 220, 171, 255

 188, 94, 255


 230, 196, 255

 177, 68, 255

 241, 222, 255

 166, 43, 255

 252, 247, 255

 156, 17, 255

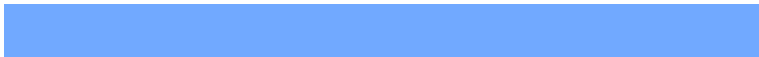
255, 255, 255

 148, 0, 255

# Harmonies

## Analogous

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



113, 153, 255



209, 145, 255



255, 124, 205

# Triad

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



209, 145, 255



177, 228, 56



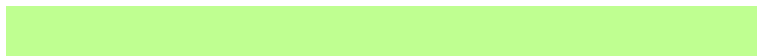
0, 101, 200

# Complementary

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



209, 145, 255



145, 255, 209

# 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.



0, 116, 197



209, 145, 255



49, 177, 49

# Square

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



209, 145, 255



255, 149, 94



84, 190, 162



0, 110, 250

# Rectangle

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



209, 145, 255



255, 118, 167



84, 190, 162



0, 105, 199



# Sweetspot

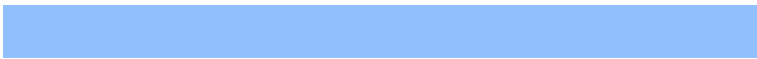
The Sweet Spot groups the original color and five complimentary colors.



209, 145, 255



241, 222, 255



145, 178, 255



119, 107, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



209, 145, 255



200, 122, 255



255, 145, 248



122, 115, 128



111, 0, 191



37, 0, 64



# Inverse Universe

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



255, 145, 191



255, 122, 178



145, 248, 255



128, 115, 120



191, 0, 80

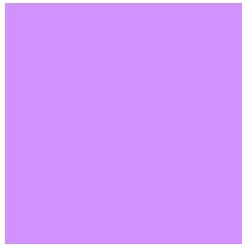


64, 0, 27



# Previews

## White Background



This preview shows how the RYB color 209, 145, 255 looks on a white background.

## Color Contrast Check

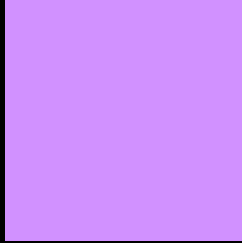
Large Text (above 18pt) WCAG AA × Fail

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 209, 145, 255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

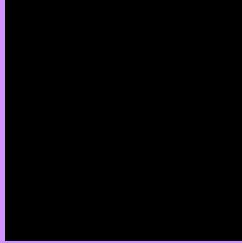
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 209, 145, 255 Background



This preview shows how black text looks on a background with the RYB color 209, 145, 255.



This preview shows how white text looks on a background with the RYB color 209, 145, 255.

# 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**  
209, 145, 255

**Protanopia**  
142, 164, 255

**Deuteranopia**  
140, 164, 250



**Tritanopia**  
196, 163, 175

# Trichromacy



**Original Color**

209, 145, 255



**Protanomaly**

166, 160, 255



**Deuteranomaly**

165, 161, 252



**Tritanomaly**

201, 156, 204

# Monochromacy



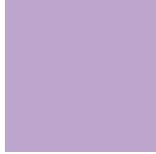
**Original Color**

209, 145, 255



**Achromatopsia**

177, 177, 177



**Achromatomaly**

189, 165, 205

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 209, 145, 255 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(209, 145, 255) looks like.

```
.text, #text, p{  
    color:rgb(209, 145, 255)  
}
```

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(209, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 145, 255) }
```

## Border

The CSS property to change the border of an element to RYB 209, 145, 255 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(209, 145, 255) }
```

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

```
.border{ border-color:rgb(209, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 145,  
255) }
```

# Background

The CSS property to change the background color of an element to RYB 209, 145, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 145, 255) }
```

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

```
.background{ background-color: rgb(209,  
145, 255) }
```

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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