

Converting Colors

`RYB(212, 209, 247)`

Have a look what the booklet for
RYB(212, 209, 247) contains.

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Color

R_YB(212, 209, 247)

Conversions

Conversions Part 1

Format	Color
Hex	D4D1F7
RGB	212, 209, 247
RGB Percent	83%, 82%, 97%
CMY	0.1686, 0.1804, 0.0314
CMYK	0.14, 0.15, 0.00, 0.03
HSL	245°, 70%, 89%
HSV	245°, 15%, 97%
XYZ	66.7403, 66.3134, 97.2779
YIQ	214.2290, -10.4100, 12.4540

Conversions

Conversions Part 2

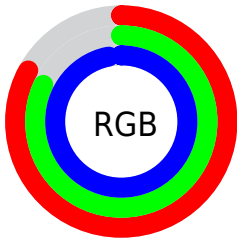
Format	Color
R _Y B	212, 209, 247
Decimal	13947383
CIE Lab	85.16, 8.40, -18.22
CIE LCh	85, 20.060, 294.741
Yxy	66.3134, 0.2898, 0.2879
Android (android.graphics.Color)	4292137463 (0xFFD4D1F7)
YUV	214.2290, 16.1561, -1.9548
Hunter-Lab	81.4330, 3.7861, -13.8232

Details

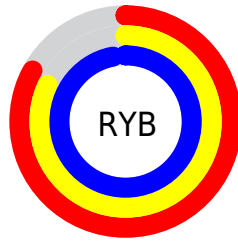
The RYB color **212, 209, 247** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **209, 247, 212**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is 255, 255, 255, and **157, 155, 191** is the 20% darker color. If you saturate the color by 10%, you get **189, 184, 247**, and if you desaturate by 10%, it is **235, 234, 247**.

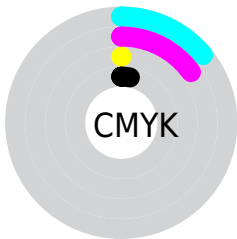
Distribution



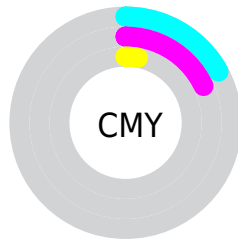
- Red (83%)
- Green (82%)
- Blue (97%)



- Red (83%)
- Yellow (82%)
- Blue (97%)



- Cyan (14%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (18%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 209, 247 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 212, 209, 247 by changing the saturation by 10% instead.

■ 212, 209, 247

255, 255, 255

■ 212, 209, 247

■ 184, 181, 218

■ 157, 155, 191

■ 131, 129, 163

■ 105, 104, 137

■ 81, 80, 112

■ 57, 57, 87

■ 35, 35, 64

■ 14, 14, 42

■ 0, 1, 21

■ 212, 209, 247

■ 212, 209, 247

■ 189, 184, 247

■ 235, 234, 247

■ 167, 160, 247

■ 247, 255, 247

■ 144, 135, 247

■ 121, 110, 247

■ 98, 86, 247

■ 76, 61, 247

■ 53, 36, 247

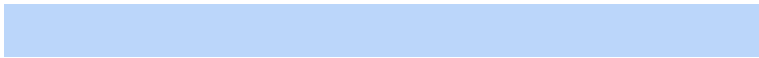
■ 30, 11, 247

■ 20, 0, 247

Harmonies

Analogous

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



187, 206, 250



212, 209, 247



234, 203, 235

Triad

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



212, 209, 247



246, 216, 182



171, 202, 224

Complementary

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



212, 209, 247



209, 247, 212

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.



189, 220, 221



212, 209, 247



209, 231, 175

Square

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



212, 209, 247



253, 200, 198



178, 216, 183



162, 194, 228

Rectangle

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



212, 209, 247



245, 201, 223



178, 216, 183



176, 206, 223

Sweetspot

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



212, 209, 247



243, 242, 255



209, 227, 247



120, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



212, 209, 247



213, 209, 255



231, 209, 247



111, 110, 122



15, 0, 186



5, 0, 59

Inverse Universe

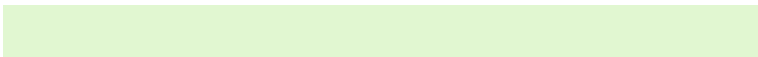
The Inverse Universe completely reimagines the original color for something new.



247, 209, 244



255, 209, 251



209, 247, 231



122, 110, 121



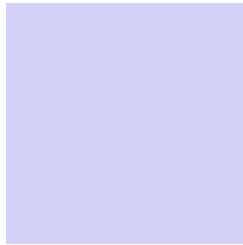
186, 0, 171



59, 0, 54

Previews

White Background



This preview shows how the RYB color 212, 209, 247 looks on a white background.

Color Contrast Check

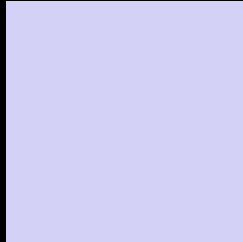
Large Text (above 18pt) WCAG AA × Fail

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 212, 209, 247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

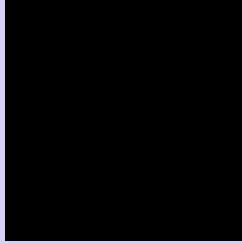
Any Text WCAG AA ✓ Pass

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 212, 209, 247 Background



This preview shows how black text looks on a background with the RYB color 212, 209, 247.



This preview shows how white text looks on a background with the RYB color 212, 209, 247.

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
212, 209, 247

Protanopia
206, 210, 248

Deuteranopia
217, 207, 247



Tritanopia
209, 212, 229

Trichromacy



Original Color
212, 209, 247

Protanomaly
208, 210, 248

Deuteranomaly
215, 208, 247

Tritanomaly
210, 211, 236

Monochromacy



Original Color
212, 209, 247

Achromatopsia
214, 214, 214

Achromatomaly
213, 212, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 209, 247 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(212, 209, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 209, 247)  
}
```

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(212, 209, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 209, 247) }
```

Border

The CSS property to change the border of an element to RYB 212, 209, 247 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(212, 209, 247) }
```

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

```
.border{ border-color:rgb(212, 209, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 209, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 209, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 209, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 209,  
247) }
```

Background

The CSS property to change the background color of an element to RYB 212, 209, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 209, 247) }
```

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

```
.background{ background-color: rgb(212,  
209, 247) }
```

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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