

Converting Colors

`RYB(217, 212, 255)`

Have a look what the booklet for
RYB(217, 212, 255) contains.

RYB(217, 212, 255)	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(217, 212, 255)

Conversions

Conversions Part 1

Format	Color
Hex	D9D4FF
RGB	217, 212, 255
RGB Percent	85%, 83%, 100%
CMY	0.1490, 0.1686, 0.0000
CMYK	0.15, 0.17, 0.00, 0.00
HSL	247°, 100%, 92%
HSV	247°, 17%, 100%
XYZ	70.2088, 69.0587, 104.2370
YIQ	218.3970, -10.8230, 14.4330

Conversions

Conversions Part 2

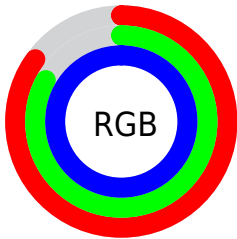
Format	Color
R _Y B	217, 212, 255
Decimal	14275839
CIE Lab	86.53, 10.03, -20.33
CIE LCh	87, 22.671, 296.254
Yxy	69.0587, 0.2883, 0.2836
Android (android.graphics.Color)	4292465919 (0xFFD9D4FF)
YUV	218.3970, 18.0453, -1.2252
Hunter-Lab	83.1016, 5.3789, -16.1983

Details

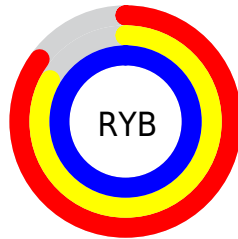
The RYB color `217, 212, 255` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `212, 255, 217`, and the grayscale version is `218, 218, 218`.

A 20% lighter version of the original color is `255, 255, 255`, and `162, 157, 198` is the 20% darker color. If you saturate the color by 10%, you get `194, 187, 255`, and if you desaturate by 10%, it is `240, 238, 255`.

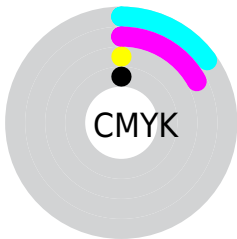
Distribution



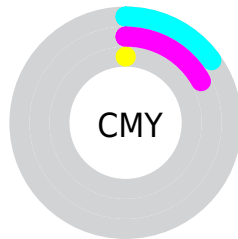
- Red (85%)
- Green (83%)
- Blue (100%)



- Red (85%)
- Yellow (83%)
- Blue (100%)



- Cyan (15%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 212, 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 217, 212, 255 by changing the saturation by 10% instead.

■ 217, 212, 255

255, 255, 255

■ 217, 212, 255

■ 189, 184, 226

■ 162, 157, 198

■ 135, 131, 171

■ 110, 106, 144

■ 85, 82, 119

■ 61, 59, 94


■ 38, 37, 70

■ 16, 17, 47


■ 0, 1, 26

 217, 212, 255


 217, 212, 255


 194, 187, 255

 240, 238, 255

 172, 161, 255

255, 255, 255

 149, 136, 255


 127, 110, 255

 104, 85, 255

 82, 59, 255

 59, 33, 255

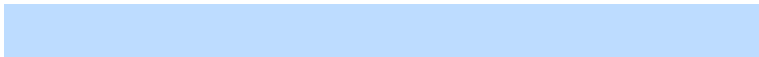
 37, 8, 255

 30, 0, 255

Harmonies

Analogous

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



189, 210, 255



217, 212, 255



242, 205, 241

Triad

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



217, 212, 255



253, 221, 182



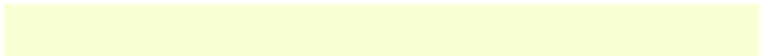
168, 203, 229

Complementary

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



217, 212, 255



212, 255, 217

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.



188, 222, 226



217, 212, 255



208, 236, 174

Square

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



217, 212, 255



255, 202, 199



178, 221, 186



158, 195, 235

Rectangle

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



217, 212, 255



254, 202, 227



178, 221, 186



174, 208, 228

Sweetspot

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



217, 212, 255



244, 242, 255



212, 232, 255



121, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



217, 212, 255



210, 204, 255



238, 212, 255



116, 115, 128



22, 0, 191



7, 0, 64

Inverse Universe

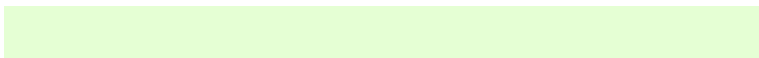
The Inverse Universe completely reimagines the original color for something new.



255, 212, 250



255, 204, 249



212, 255, 238



128, 115, 126



191, 0, 169



64, 0, 56

Previews

White Background



This preview shows how the RYB color 217, 212, 255 looks on a white background.

Color Contrast Check

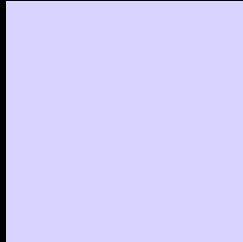
Large Text (above 18pt) WCAG AA × Fail

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 217, 212, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

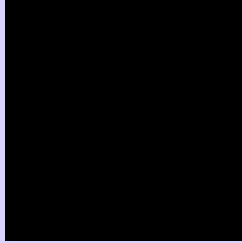
Any Text WCAG AA ✓ Pass

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 217, 212, 255 Background



This preview shows how black text looks on a background with the RYB color 217, 212, 255.



This preview shows how white text looks on a background with the RYB color 217, 212, 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](#).

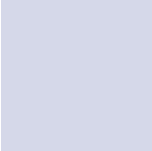
Dichromacy



Original Color
217, 212, 255

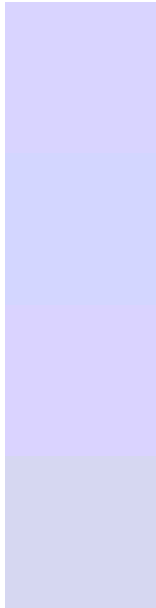
Protanopia
208, 214, 255

Deuteranopia
219, 211, 255



Tritanopia
213, 216, 233

Trichromacy



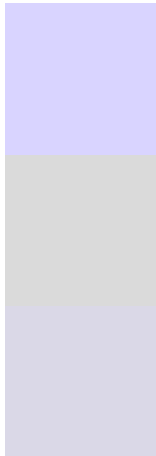
Original Color
217, 212, 255

Protanomaly
211, 214, 255

Deuteranomaly
218, 211, 255

Tritanomaly
214, 215, 241

Monochromacy



Original Color
217, 212, 255

Achromatopsia
218, 218, 218

Achromatomaly
218, 216, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 212, 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(217, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 212, 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(217, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 212, 255) }
```

Border

The CSS property to change the border of an element to RYB 217, 212, 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(217, 212, 255) }
```

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

```
.border{ border-color:rgb(217, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 212,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 217, 212, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 212, 255) }
```

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

```
.background{ background-color: rgb(217,  
212, 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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