

Converting Colors

`RYB(216, 191, 238)`

Have a look what the booklet for RYB(216, 191, 238) contains.

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Color

R_YB(216, 191, 238)

Conversions

Conversions Part 1

Format	Color
Hex	D8BFEE
RGB	216, 191, 238
RGB Percent	85%, 75%, 93%
CMY	0.1529, 0.2510, 0.0667
CMYK	0.09, 0.20, 0.00, 0.07
HSL	272°, 58%, 84%
HSV	272°, 20%, 93%
XYZ	62.3823, 58.0336, 88.8026
YIQ	203.8330, -0.1870, 19.9170

Conversions

Conversions Part 2

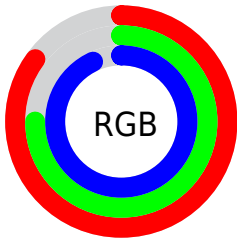
Format	Color
R _Y B	216, 191, 238
Decimal	14204910
CIE Lab	80.76, 17.46, -20.04
CIE LCh	81, 26.580, 311.073
Yxy	58.0336, 0.2982, 0.2774
Android (android.graphics.Color)	4292394990 (0xFFD8BFEE)
YUV	203.8330, 16.8443, 10.6705
Hunter-Lab	76.1798, 12.8560, -15.7884

Details

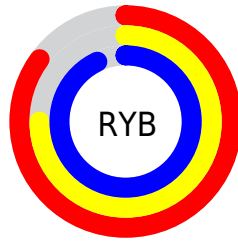
The RYB color **216, 191, 238** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **191, 238, 216**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **255, 247, 255**, and **161, 137, 182** is the 20% darker color. If you saturate the color by 10%, you get **205, 167, 238**, and if you desaturate by 10%, it is **227, 215, 238**.

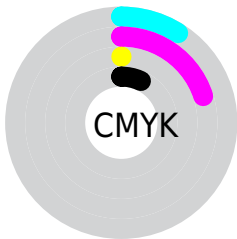
Distribution



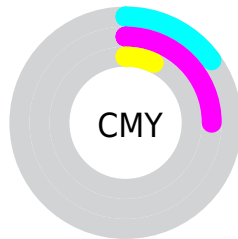
- Red (85%)
- Green (75%)
- Blue (93%)



- Red (85%)
- Yellow (75%)
- Blue (93%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 191, 238 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 216, 191, 238 by changing the saturation by 10% instead.


 216, 191, 238

255, 255, 255

 255, 247, 255

 216, 191, 238

 188, 164, 210


 161, 137, 182

 134, 112, 155

 109, 87, 129

 84, 64, 104

 60, 42, 80

 38, 21, 56

 20, 0, 35

 0, 0, 10

■ 216, 191, 238

■ 216, 191, 238

■ 205, 167, 238

■ 227, 215, 238

■ 194, 143, 238

■ 238, 239, 239

■ 183, 120, 238

■ 238, 255, 244

■ 171, 96, 238

■ 238, 255, 238

■ 160, 72, 238

■ 149, 48, 238

■ 138, 24, 238

■ 127, 1, 238

■ 127, 0, 238

Harmonies

Analogous

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



183, 197, 249



216, 191, 238



240, 184, 217

Triad

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



216, 191, 238



231, 233, 154



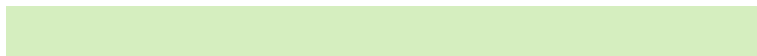
133, 176, 215

Complementary

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



216, 191, 238



191, 238, 216

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.



154, 193, 213



216, 191, 238



161, 210, 152

Square

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



216, 191, 238



248, 191, 169



162, 209, 189



131, 176, 232

Rectangle

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



216, 191, 238



249, 183, 200



162, 209, 189



139, 181, 215

Sweetspot

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



216, 191, 238



248, 240, 255



191, 206, 238



123, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



216, 191, 238



226, 194, 255



238, 191, 237



114, 108, 120



98, 0, 184



30, 0, 56

Inverse Universe

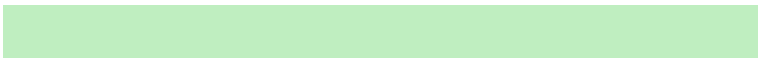
The Inverse Universe completely reimagines the original color for something new.



238, 191, 213



255, 194, 222



191, 237, 238



120, 108, 113



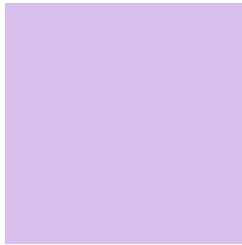
184, 0, 86



56, 0, 26

Previews

White Background



This preview shows how the RYB color 216, 191, 238 looks on a white background.

Color Contrast Check

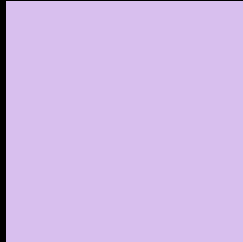
Large Text (above 18pt) WCAG AA × Fail

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 216, 191, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

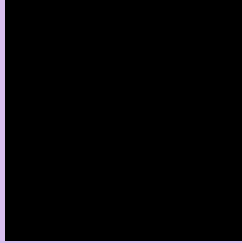
Any Text WCAG AA ✓ Pass

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 216, 191, 238 Background



This preview shows how black text looks on a background with the RYB color 216, 191, 238.



This preview shows how white text looks on a background with the RYB color 216, 191, 238.

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
216, 191, 238

Protanopia
191, 198, 243

Deuteranopia
202, 196, 237



Tritanopia
212, 196, 211

Trichromacy



Original Color
216, 191, 238

Protanomaly
200, 196, 241

Deuteranomaly
207, 194, 237

Tritanomaly
213, 194, 221

Monochromacy



Original Color
216, 191, 238

Achromatopsia
204, 204, 204

Achromatomaly
208, 199, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 191, 238 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(216, 191, 238)` looks like.

```
.text, #text, p{  
    color:rgb(216, 191, 238)  
}
```

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(216, 191, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 191, 238) }
```

Border

The CSS property to change the border of an element to RYB 216, 191, 238 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(216, 191, 238) }
```

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

```
.border{ border-color:rgb(216, 191, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 191, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 191, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 191, 238);  
box-shadow:4px 4px 4px 4px rgb(216, 191,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 216, 191, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 191, 238) }
```

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

```
.background{ background-color: rgb(216,  
191, 238) }
```

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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