

Converting Colors

`RYB(218, 190, 237)`

Have a look what the booklet for
RYB(218, 190, 237) contains.

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Color

R_YB(218, 190, 237)

Conversions

Conversions Part 1

Format	Color
Hex	DABEED
RGB	218, 190, 237
RGB Percent	85%, 75%, 93%
CMY	0.1451, 0.2549, 0.0706
CMYK	0.08, 0.20, 0.00, 0.07
HSL	276°, 57%, 84%
HSV	276°, 20%, 93%
XYZ	62.6130, 57.8468, 87.9862
YIQ	203.7300, 1.6010, 20.5530

Conversions

Conversions Part 2

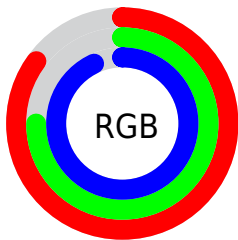
Format	Color
<code>RGB</code>	<code>218, 190, 237</code>
Decimal	<code>14335725</code>
CIELab	<code>80.65, 18.45, -19.64</code>
CIElCh	<code>81, 26.946, 313.201</code>
Yxy	<code>57.8468, 0.3004, 0.2775</code>
Android (<code>android.graphics.Color</code>)	<code>4292525805</code> (<code>0xFFDABEED</code>)
YUV	<code>203.7300, 16.4021, 12.5148</code>
Hunter-Lab	<code>76.0571, 13.8479, -15.3494</code>

Details

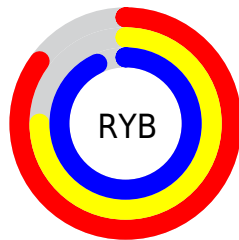
The RYB color **218, 190, 237** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **190, 237, 218**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **255, 246, 255**, and **163, 137, 181** is the 20% darker color. If you saturate the color by 10%, you get **208, 166, 237**, and if you desaturate by 10%, it is **228, 214, 237**.

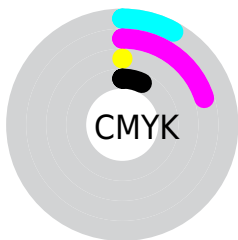
Distribution



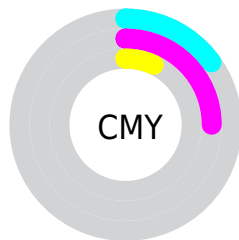
- Red (85%)
- Green (75%)
- Blue (93%)



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



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 190, 237 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 218, 190, 237 by changing the saturation by 10% instead.

 218, 190, 237

255, 255, 255


 255, 246, 255

 218, 190, 237

 190, 163, 209

 163, 137, 181

 136, 111, 154

 111, 86, 128

 86, 63, 103

 62, 41, 79


 39, 20, 56

 22, 0, 35


 0, 0, 9

 218, 190, 237

 218, 190, 237

 208, 166, 237


 228, 214, 237

 199, 143, 237


 237, 237, 237


 189, 119, 237


 237, 255, 245


 180, 95, 237

 237, 255, 237

 170, 71, 237

 161, 48, 237

 151, 24, 237

 141, 0, 237

Harmonies

Analogous

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



185, 196, 249



218, 190, 237



242, 184, 215

Triad

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



218, 190, 237



226, 232, 153



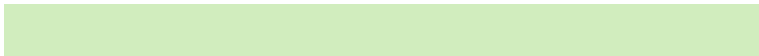
131, 173, 214

Complementary

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



218, 190, 237



190, 237, 218

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.



151, 191, 213



218, 190, 237



156, 207, 151

Square

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



218, 190, 237



248, 192, 167



163, 209, 193



130, 176, 234

Rectangle

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



218, 190, 237



250, 182, 198



163, 209, 193



136, 178, 214

Sweetspot

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



218, 190, 237



249, 240, 255



190, 204, 237



124, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



218, 190, 237



230, 194, 255



237, 190, 233



113, 106, 117



108, 0, 181



32, 0, 54

Inverse Universe

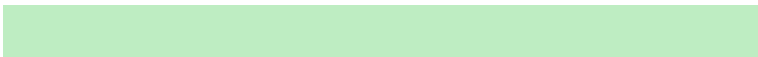
The Inverse Universe completely reimagines the original color for something new.



237, 190, 209



255, 194, 219



190, 233, 237



117, 106, 110



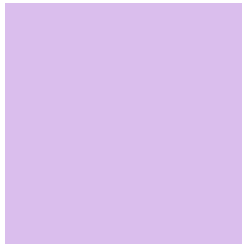
181, 0, 73



54, 0, 22

Previews

White Background



This preview shows how the RYB color 218, 190, 237 looks on a white background.

Color Contrast Check

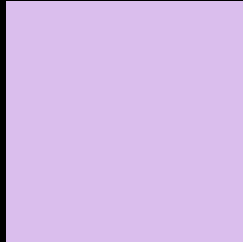
Large Text (above 18pt) WCAG AA × Fail

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 218, 190, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

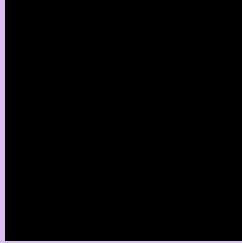
Any Text WCAG AA ✓ Pass

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 218, 190, 237 Background



This preview shows how black text looks on a background with the RYB color 218, 190, 237.



This preview shows how white text looks on a background with the RYB color 218, 190, 237.

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
218, 190, 237

Protanopia
191, 197, 243

Deuteranopia
202, 196, 236



Tritanopia
214, 195, 210

Trichromacy



Original Color
218, 190, 237

Protanomaly
201, 195, 241

Deuteranomaly
208, 194, 236

Tritanomaly
215, 193, 220

Monochromacy



Original Color
218, 190, 237

Achromatopsia
204, 204, 204

Achromatomaly
209, 199, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 190, 237 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(218, 190, 237) looks like.

```
.text, #text, p{  
    color:rgb(218, 190, 237)  
}
```

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(218, 190, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 190, 237) }
```

Border

The CSS property to change the border of an element to RYB 218, 190, 237 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(218, 190, 237) }
```

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

```
.border{ border-color:rgb(218, 190, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 190, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 190, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 190, 237);  
box-shadow:4px 4px 4px 4px rgb(218, 190,  
237) }
```

Background

The CSS property to change the background color of an element to RGB 218, 190, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 190, 237) }
```

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

```
.background{ background-color: rgb(218,  
190, 237) }
```

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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