

Converting Colors

`RYB(226, 186, 235)`

Have a look what the booklet for RYB(226, 186, 235) contains.

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Color

R_YB(226, 186, 235)

Conversions

Conversions Part 1

Format	Color
Hex	E2BAEB
RGB	226, 186, 235
RGB Percent	89%, 73%, 92%
CMY	0.1137, 0.2706, 0.0784
CMYK	0.04, 0.21, 0.00, 0.08
HSL	289°, 55%, 83%
HSV	289°, 21%, 92%
XYZ	63.9183, 57.2847, 86.2855
YIQ	203.5460, 8.1110, 23.7190

Conversions

Conversions Part 2

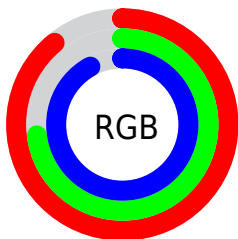
Format	Color
R _Y B	226, 186, 235
Decimal	14858987
CIE Lab	80.34, 22.80, -18.98
CIE LCh	80, 29.665, 320.233
Yxy	57.2847, 0.3081, 0.2761
Android (android.graphics.Color)	4293049067 (0xFFE2BAEB)
YUV	203.5460, 15.5068, 19.6922
Hunter-Lab	75.6867, 18.2938, -14.6120

Details

The RYB color **226, 186, 235** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **186, 235, 226**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **255, 242, 255**, and **170, 133, 179** is the 20% darker color. If you saturate the color by 10%, you get **222, 163, 235**, and if you desaturate by 10%, it is **230, 210, 235**.

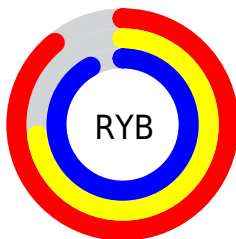
Distribution



Red (89%)

Green (73%)

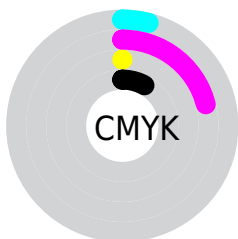
Blue (92%)



Red (89%)

Yellow (73%)

Blue (92%)

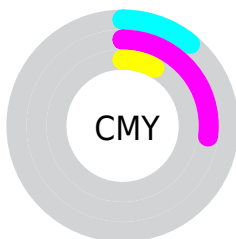


Cyan (4%)

Magenta (21%)

Yellow (0%)

Black (8%)



Cyan (11%)

Magenta (27%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the RYB color 226, 186, 235 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 226, 186, 235 by changing the saturation by 10% instead.


 226, 186, 235

255, 255, 255


 255, 242, 255

 226, 186, 235


 198, 159, 207


 170, 133, 179

 143, 107, 152

 118, 83, 126

 92, 59, 101

 68, 37, 77


 45, 15, 54

 28, 0, 33

 0, 0, 6

 226, 186, 235

 226, 186, 235

 222, 163, 235

 230, 210, 235

 217, 139, 235


 235, 233, 235

 213, 115, 235

 235, 255, 251

 209, 92, 235


 235, 255, 247

 204, 69, 235

 235, 255, 242

 200, 45, 235

 235, 255, 238

 196, 21, 235

 235, 255, 235

 192, 0, 235

Harmonies

Analogous

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



191, 195, 251



226, 186, 235



249, 180, 210

Triad

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



226, 186, 235



203, 228, 145



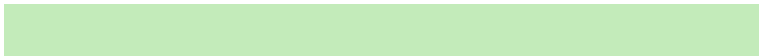
118, 167, 217

Complementary

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



226, 186, 235



186, 235, 226

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.



138, 183, 214



226, 186, 235



147, 203, 150

Square

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



226, 186, 235



248, 197, 158



163, 210, 205



122, 173, 241

Rectangle

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



226, 186, 235



255, 179, 191



163, 210, 205



122, 170, 215

Sweetspot

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



226, 186, 235



252, 240, 255



186, 194, 235



126, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



226, 186, 235



243, 191, 255



235, 186, 220



115, 106, 117



148, 0, 181



44, 0, 54

Inverse Universe

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



235, 186, 195



255, 191, 203



186, 224, 235



117, 106, 108



181, 0, 33



54, 0, 10

Previews

White Background



This preview shows how the RYB color 226, 186, 235 looks on a white background.

Color Contrast Check

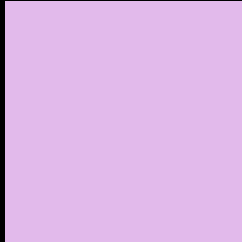
Large Text (above 18pt) WCAG AA × Fail

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 226, 186, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

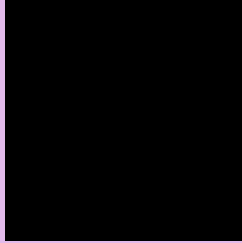
Any Text WCAG AA ✓ Pass

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 226, 186, 235 Background



This preview shows how black text looks on a background with the RYB color 226, 186, 235.

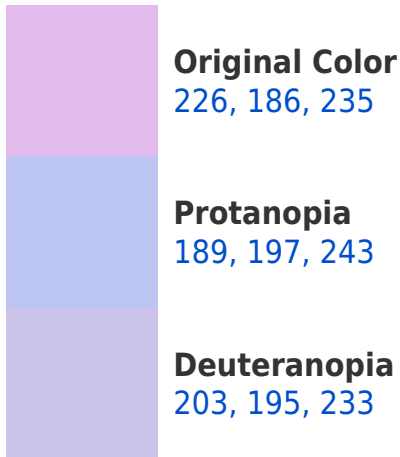



This preview shows how white text looks on a background with the RYB color 226, 186, 235.

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





Tritanopia
222, 191, 206

Trichromacy



Original Color
226, 186, 235

Protanomaly
202, 194, 240

Deuteranomaly
211, 192, 234

Tritanomaly
223, 189, 217

Monochromacy



Original Color
226, 186, 235

Achromatopsia
204, 204, 204

Achromatomaly
212, 197, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 226, 186, 235 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(226, 186, 235) looks like.

```
.text, #text, p{  
    color:rgb(226, 186, 235)  
}
```

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(226, 186, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 186, 235) }
```

Border

The CSS property to change the border of an element to RYB 226, 186, 235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

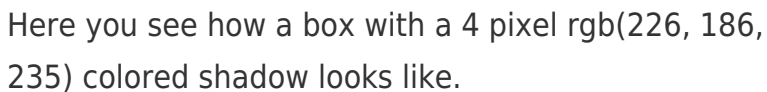
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 186, 235) }
```

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

```
.border{ border-color:rgb(226, 186, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 186, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 186, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 186, 235); box-shadow:4px 4px 4px 4px rgb(226, 186, 235) }
```

Background

The CSS property to change the background color of an element to RYB 226, 186, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 186, 235) }
```

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

```
.background{ background-color: rgb(226,  
186, 235) }
```

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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