

Converting Colors

`RYB(238, 180, 236)`

Have a look what the booklet for
RYB(238, 180, 236) contains.

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Color

R_YB(238, 180, 236)

Conversions

Conversions Part 1

Format	Color
Hex	EEB4EC
RGB	238, 180, 236
RGB Percent	93%, 71%, 93%
CMY	0.0667, 0.2941, 0.0745
CMYK	0.00, 0.24, 0.01, 0.07
HSL	302°, 63%, 82%
HSV	302°, 24%, 93%
XYZ	66.7215, 56.8758, 86.8184
YIQ	203.7260, 16.5920, 29.7120

Conversions

Conversions Part 2

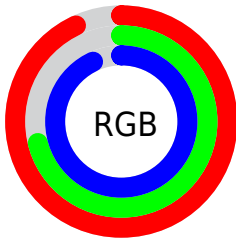
Format	Color
R _Y B	238, 180, 236
Decimal	15643884
CIE Lab	80.11, 30.11, -19.75
CIE LCh	80, 36.007, 326.731
Yxy	56.8758, 0.3171, 0.2703
Android (android.graphics.Color)	4293833964 (0xFFEEB4EC)
YUV	203.7260, 15.9111, 30.0583
Hunter-Lab	75.4160, 25.9430, -15.4630

Details

The RYB color **238, 180, 236** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **180, 236, 238**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **255, 236, 255**, and **181, 127, 180** is the 20% darker color. If you saturate the color by 10%, you get **238, 156, 235**, and if you desaturate by 10%, it is **238, 204, 237**.

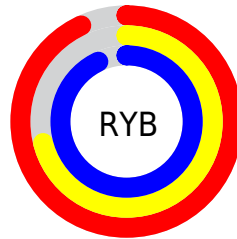
Distribution



Red (93%)

Green (71%)

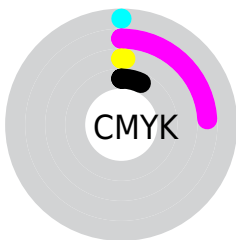
Blue (93%)



Red (93%)

Yellow (71%)

Blue (93%)

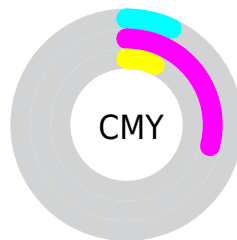


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (29%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 238, 180, 236 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 238, 180, 236 by changing the saturation by 10% instead.


 238, 180, 236

 238, 180, 236

255, 255, 255

 209, 153, 208

 255, 236, 255

 181, 127, 180

 154, 101, 153

 128, 76, 127

 102, 53, 102

 77, 29, 78

 53, 5, 55

 35, 0, 34


 0, 0, 7

 238, 180, 236

 238, 180, 236

 238, 156, 235

 238, 204, 237

 238, 132, 234


 238, 228, 238

 238, 109, 234

 238, 251, 251

 238, 85, 233


 238, 254, 255

 238, 61, 232

 238, 253, 255

 238, 37, 231

 238, 252, 255

 238, 13, 230

 238, 252, 255

 238, 0, 230

 238, 251, 255

Harmonies

Analogous

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



198, 191, 255



238, 180, 236



255, 174, 204

Triad

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



238, 180, 236



175, 225, 131



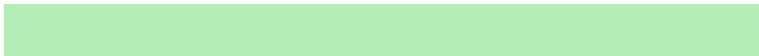
86, 154, 228

Complementary

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



238, 180, 236



180, 236, 238

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.



112, 171, 217



238, 180, 236



138, 206, 153

Square

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



238, 180, 236



252, 208, 144



151, 204, 213



101, 165, 254

Rectangle

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



238, 180, 236



255, 174, 181



151, 204, 213



91, 154, 217

Sweetspot

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



238, 180, 236



255, 237, 254



182, 180, 238



128, 117, 127



0, 0, 0



128, 128, 128

Same Dimension

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



238, 180, 236



255, 181, 252



238, 180, 207



120, 108, 119



184, 0, 177



56, 0, 54

Inverse Universe

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



238, 180, 236



255, 181, 252



180, 218, 238



120, 108, 119



184, 0, 177



56, 0, 54

Previews

White Background



This preview shows how the RYB color 238, 180, 236 looks on a white background.

Color Contrast Check

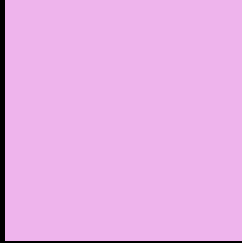
Large Text (above 18pt) WCAG AA × Fail

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 238, 180, 236 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 238, 180, 236 Background



This preview shows how black text looks on a background with the RYB color 238, 180, 236.

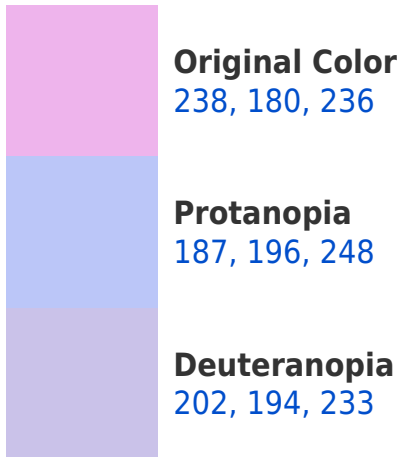



This preview shows how white text looks on a background with the RYB color 238, 180, 236.

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
233, 186, 201

Trichromacy



Original Color

238, 180, 236



Protanomaly

206, 191, 244



Deuteranomaly

215, 189, 234



Tritanomaly

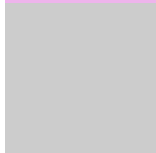
235, 184, 214

Monochromacy



Original Color

238, 180, 236



Achromatopsia

204, 204, 204



Achromatomaly

216, 195, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 238, 180, 236 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(238, 180, 236) looks like.

```
.text, #text, p{  
    color:rgb(238, 180, 236)  
}
```

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(238, 180, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 180, 236) }
```

Border

The CSS property to change the border of an element to RYB 238, 180, 236 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(238, 180, 236) }
```

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

```
.border{ border-color:rgb(238, 180, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 180, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 180, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 180, 236);  
box-shadow:4px 4px 4px 4px rgb(238, 180,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 238, 180, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 180, 236) }
```

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

```
.background{ background-color: rgb(238,  
180, 236) }
```

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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