

Converting Colors

`RYB(231, 180, 227)`

Have a look what the booklet for
RYB(231, 180, 227) contains.

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Color

R_YB(231, 180, 227)

Conversions

Conversions Part 1

Format	Color
Hex	E7B4E3
RGB	231, 180, 227
RGB Percent	91%, 71%, 89%
CMY	0.0941, 0.2941, 0.1098
CMYK	0.00, 0.22, 0.02, 0.09
HSL	305°, 52%, 81%
HSV	305°, 22%, 91%
XYZ	63.1414, 55.1775, 79.9955
YIQ	200.6070, 15.3090, 25.4290

Conversions

Conversions Part 2

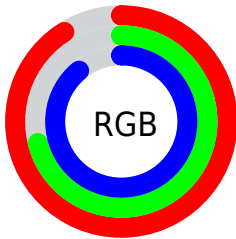
Format	Color
R_{YB}	231, 180, 227
Decimal	15185123
CIE _{Lab}	79.14, 26.18, -16.43
CIE _{LCh}	79, 30.903, 327.889
Yxy	55.1775, 0.3184, 0.2782
Android (android.graphics.Color)	4293375203 (0xFFE7B4E3)
YUV	200.6070, 13.0117, 26.6547
Hunter-Lab	74.2816, 21.7372, -11.8536

Details

The RYB color **231, 180, 227** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **180, 227, 231**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **255, 236, 255**, and **175, 127, 172** is the 20% darker color. If you saturate the color by 10%, you get **231, 157, 225**, and if you desaturate by 10%, it is **231, 203, 229**.

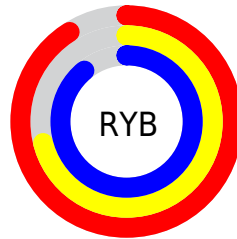
Distribution



Red (91%)

Green (71%)

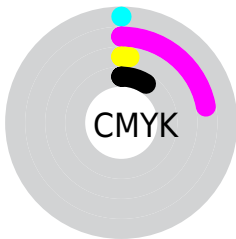
Blue (89%)



Red (91%)

Yellow (71%)

Blue (89%)

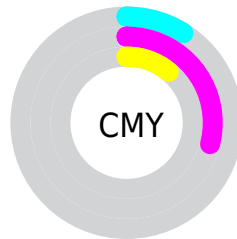


Cyan (0%)

Magenta (22%)

Yellow (2%)

Black (9%)



Cyan (9%)


Magenta (29%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the RYB color 231, 180, 227 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 231, 180, 227 by changing the saturation by 10% instead.

 231, 180, 227

255, 255, 255

 255, 236, 255

 231, 180, 227

 203, 153, 199

 175, 127, 172

 148, 101, 145

 122, 77, 119


 96, 53, 94


 72, 31, 71


 48, 8, 48


 29, 0, 28


 0, 0, 0


 231, 180, 227


 231, 180, 227


 231, 157, 225


 231, 203, 229

 231, 134, 223


 231, 226, 231


 231, 111, 222


 231, 248, 249


 231, 88, 220


 231, 252, 255


 231, 65, 218


 231, 251, 255


 231, 41, 216


 231, 250, 255

 231, 18, 214

 231, 248, 255

 231, 0, 213

 231, 248, 255

 231, 247, 255

Harmonies

Analogous

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



198, 189, 247



231, 180, 227



250, 175, 199

Triad

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



231, 180, 227



178, 219, 139



107, 162, 222

Complementary

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



231, 180, 227



180, 227, 231

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.



124, 173, 212



231, 180, 227



145, 202, 159

Square

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



231, 180, 227



242, 206, 148



155, 201, 209



120, 171, 244

Rectangle

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



231, 180, 227



254, 175, 180



155, 201, 209



110, 161, 213

Sweetspot

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



231, 180, 227



255, 237, 254



183, 180, 231



128, 117, 127



0, 0, 0



128, 128, 128

Same Dimension

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



231, 180, 227



255, 189, 250



231, 180, 202



115, 103, 114



179, 0, 164



51, 0, 47

Inverse Universe

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



231, 180, 227



255, 189, 250



180, 213, 231



115, 103, 114



179, 0, 165



51, 0, 47

Previews

White Background



This preview shows how the RYB color 231, 180, 227 looks on a white background.

Color Contrast Check

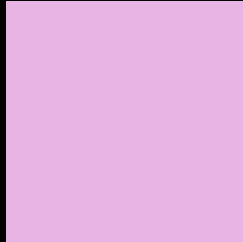
Large Text (above 18pt) WCAG AA × Fail

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 231, 180, 227 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 231, 180, 227 Background



This preview shows how black text looks on a background with the RYB color 231, 180, 227.

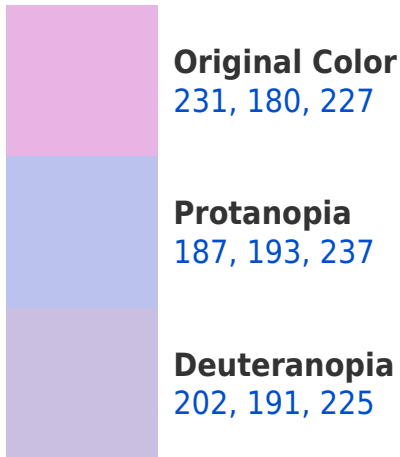



This preview shows how white text looks on a background with the RYB color 231, 180, 227.

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
227, 185, 199

Trichromacy



Original Color

231, 180, 227



Protanomaly

203, 189, 233



Deuteranomaly

213, 187, 226



Tritanomaly

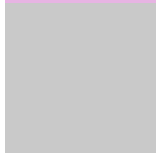
228, 183, 209

Monochromacy



Original Color

231, 180, 227



Achromatopsia

201, 201, 201



Achromatomaly

212, 193, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 180, 227 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(231, 180, 227) looks like.

```
.text, #text, p{  
    color:rgb(231, 180, 227)  
}
```

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(231, 180, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 180, 227) }
```

Border

The CSS property to change the border of an element to RYB 231, 180, 227 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(231, 180, 227) }
```

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

```
.border{ border-color:rgb(231, 180, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 180, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 180, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 180, 227);  
box-shadow:4px 4px 4px 4px rgb(231, 180,  
227) }
```

Background

The CSS property to change the background color of an element to RYB 231, 180, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 180, 227) }
```

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

```
.background{ background-color: rgb(231,  
180, 227) }
```

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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