

# Converting Colors

RGB(200, 178, 224)

Have a look what the booklet for  
RGB(200, 178, 224) contains.

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# **Color**

**RGB(200, 178, 224)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8B2E0
RGB	200, 178, 224
RGB Percent	78%, 70%, 88%
CMY	0.2157, 0.3020, 0.1216
CMYK	0.11, 0.21, 0.00, 0.12
HSL	269°, 43%, 79%
HSV	269°, 21%, 88%
XYZ	53.1944, 49.5020, 77.2722
YIQ	189.8220, -1.6540, 18.9700

# Conversions

## Conversions Part 2

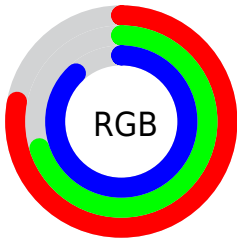
Format	Color
R <sub>Y</sub> B	200, 178, 224
Decimal	13152992
CIE Lab	75.76, 16.52, -20.18
CIE LCh	76, 26.082, 309.295
Yxy	49.5020, 0.2956, 0.2751
Android (android.graphics.Color)	4291343072 (0xFFC8B2E0)
YUV	189.8220, 16.8498, 8.9261
Hunter-Lab	70.3576, 11.8303, -15.8665

# Details

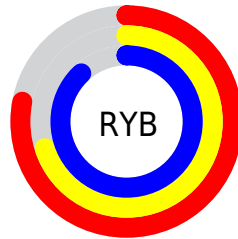
The RGB color `200, 178, 224` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `202, 224, 178`, and the grayscale version is `190, 190, 190`.

A 20% lighter version of the original color is `255, 234, 255`, and `146, 125, 169` is the 20% darker color. If you saturate the color by 10%, you get `188, 156, 224`, and if you desaturate by 10%, it is `212, 200, 224`.

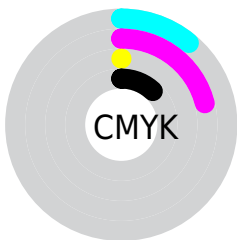
# Distribution



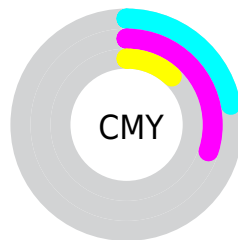
- Red (78%)
- Green (70%)
- Blue (88%)



- Red (78%)
- Yellow (70%)
- Blue (88%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)
- Black (12%)



- Cyan (22%)
- Magenta (30%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 200, 178, 224 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 RGB color 200, 178, 224 by changing the saturation by 10% instead.



 200, 178, 224

255, 255, 255

 255, 234, 255


 200, 178, 224

 172, 151, 196

 146, 125, 169

 120, 100, 142

 95, 76, 116

 71, 53, 92


 47, 32, 68

 26, 10, 46

 0, 1, 25


 0, 0, 0

 200, 178, 224

 200, 178, 224

 188, 156, 224


 212, 200, 224

 177, 133, 224


 223, 223, 224

 165, 111, 224

 235, 245, 224

 153, 88, 224

 247, 255, 224

 142, 66, 224

 255, 255, 224

 130, 44, 224

 118, 21, 224

 107, 0, 224

# Harmonies

## Analogous

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



168, 186, 234



200, 178, 224



224, 171, 204

# Triad

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



200, 178, 224



219, 179, 142



122, 200, 194

# Complementary

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



200, 178, 224



202, 224, 178

# 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.



143, 199, 169



200, 178, 224



197, 188, 139

# Square

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



200, 178, 224



233, 173, 157



170, 194, 149



118, 199, 216

# Rectangle

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



200, 178, 224



233, 169, 188



170, 194, 149



128, 200, 185



# Sweetspot

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



200, 178, 224



247, 240, 255



178, 203, 224



123, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



200, 178, 224



222, 191, 255



222, 178, 224



106, 101, 112



84, 0, 176



23, 0, 48



# Inverse Universe

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



224, 178, 202



255, 191, 225



180, 224, 178



112, 101, 107



176, 0, 92

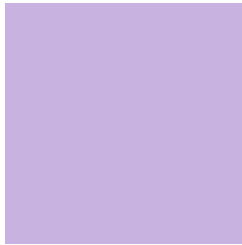


48, 0, 25



# Previews

## White Background



This preview shows how the RGB color 200, 178, 224 looks on a white background.

## Color Contrast Check

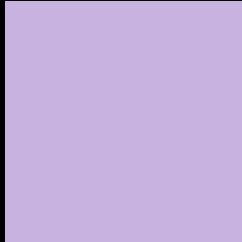
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 200, 178, 224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

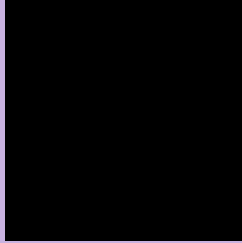
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 200, 178, 224 Background



This preview shows how black text looks on a background with the RGB color 200, 178, 224.



This preview shows how white text looks on a background with the RGB color 200, 178, 224.

# 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**  
200, 178, 224

**Protanopia**  
177, 185, 229

**Deuteranopia**  
187, 183, 223



**Tritanopia**  
196, 183, 197

# Trichromacy



**Original Color**  
200, 178, 224

**Protanomaly**  
185, 182, 227

**Deuteranomaly**  
192, 181, 223

**Tritanomaly**  
197, 181, 207

# Monochromacy



**Original Color**  
200, 178, 224

**Achromatopsia**  
190, 190, 190

**Achromatomaly**  
194, 186, 202

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 200, 178, 224 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(200, 178, 224) looks like.

```
.text, #text, p{  
    color:rgb(200, 178, 224)  
}
```

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(200, 178, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 178, 224) }
```

## Border

The CSS property to change the border of an element to RGB 200, 178, 224 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(200, 178, 224) }
```

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

```
.border{ border-color:rgb(200, 178, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 178, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 178, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 178, 224);  
box-shadow:4px 4px 4px 4px rgb(200, 178,  
224) }
```

# Background

The CSS property to change the background color of an element to RGB 200, 178, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 178, 224) }
```

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

```
.background{ background-color: rgb(200,  
178, 224) }
```

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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