

Converting Colors

`RYB(207, 177, 221)`

Have a look what the booklet for
RYB(207, 177, 221) contains.

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Color

R_YB(207, 177, 221)

Conversions

Conversions Part 1

Format	Color
Hex	CFB1DD
RGB	207, 177, 221
RGB Percent	81%, 69%, 87%
CMY	0.1882, 0.3059, 0.1333
CMYK	0.06, 0.20, 0.00, 0.13
HSL	281°, 39%, 78%
HSV	281°, 20%, 87%
XYZ	54.5054, 49.9301, 75.1713
YIQ	190.9860, 3.7560, 20.0440

Conversions

Conversions Part 2

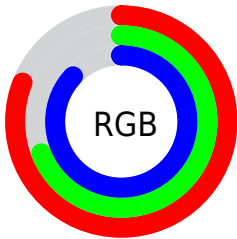
Format	Color
R _Y B	207, 177, 221
Decimal	13611485
CIE Lab	76.03, 18.74, -18.10
CIE LCh	76, 26.051, 315.996
Yxy	49.9301, 0.3035, 0.2780
Android (android.graphics.Color)	4291801565 (0xFFCFB1DD)
YUV	190.9860, 14.7969, 14.0443
Hunter-Lab	70.6613, 14.0309, -13.6114

Details

The RYB color **207, 177, 221** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **177, 221, 207**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **255, 233, 255**, and **152, 124, 166** is the 20% darker color. If you saturate the color by 10%, you get **200, 155, 221**, and if you desaturate by 10%, it is **214, 199, 221**.

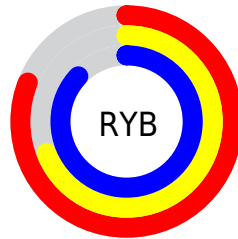
Distribution



Red (81%)

Green (69%)

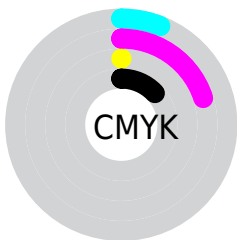
Blue (87%)



Red (81%)

Yellow (69%)

Blue (87%)

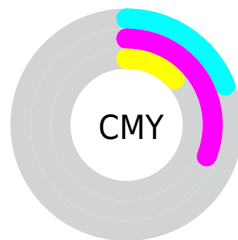


Cyan (6%)

Magenta (20%)

Yellow (0%)

Black (13%)



Cyan (19%)

Magenta (31%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 207, 177, 221 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 207, 177, 221 by changing the saturation by 10% instead.

 207, 177, 221

255, 255, 255


 255, 233, 255

 207, 177, 221


 179, 150, 193

 152, 124, 166

 126, 99, 139

 101, 75, 114

 77, 52, 89


 53, 30, 66


 31, 9, 43

 0, 0, 23

 0, 0, 0

 207, 177, 221

 207, 177, 221


 200, 155, 221


 214, 199, 221


 193, 133, 221


 221, 221, 221


 186, 111, 221


 221, 243, 236


 179, 89, 221


 221, 255, 241


 172, 67, 221

 221, 255, 234

 165, 44, 221

 221, 255, 227

 158, 22, 221

 221, 255, 221

 151, 0, 221

Harmonies

Analogous

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



176, 184, 233



207, 177, 221



228, 171, 200

Triad

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



207, 177, 221



203, 216, 141



120, 161, 201

Complementary

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



207, 177, 221



177, 221, 207

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, 177, 200



207, 177, 221



143, 192, 141

Square

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



207, 177, 221



232, 183, 154



153, 196, 184



121, 165, 221

Rectangle

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



207, 177, 221



235, 170, 183



153, 196, 184



124, 165, 201

Sweetspot

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



207, 177, 221



250, 240, 255



177, 188, 221



125, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



207, 177, 221



236, 194, 255



221, 177, 214



106, 99, 110



118, 0, 173



31, 0, 46

Inverse Universe

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



221, 177, 191



255, 194, 213



177, 215, 221



110, 99, 102



173, 0, 55



46, 0, 15

Previews

White Background



This preview shows how the RYB color 207, 177, 221 looks on a white background.

Color Contrast Check

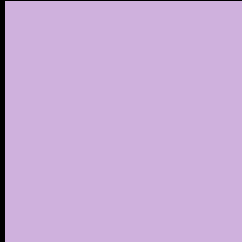
Large Text (above 18pt) WCAG AA × Fail

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 207, 177, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

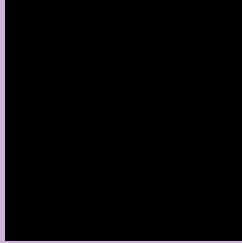
Any Text WCAG AA ✓ Pass

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 207, 177, 221 Background



This preview shows how black text looks on a background with the RYB color 207, 177, 221.



This preview shows how white text looks on a background with the RYB color 207, 177, 221.

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
207, 177, 221

Protanopia
179, 185, 227

Deuteranopia
190, 183, 220



Tritanopia
203, 181, 196

Trichromacy



Original Color

207, 177, 221

Protanomaly

189, 183, 225

Deuteranomaly

196, 181, 220

Tritanomaly

204, 180, 205

Monochromacy



Original Color

207, 177, 221

Achromatopsia

191, 191, 191

Achromatomaly

197, 186, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 207, 177, 221 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(207, 177, 221)` looks like.

```
.text, #text, p{  
    color:rgb(207, 177, 221)  
}
```

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(207, 177, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 177, 221) }
```

Border

The CSS property to change the border of an element to RYB 207, 177, 221 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(207, 177, 221) }
```

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

```
.border{ border-color:rgb(207, 177, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 177, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 177, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 177, 221);  
box-shadow:4px 4px 4px 4px rgb(207, 177,  
221) }
```

Background

The CSS property to change the background color of an element to RYB 207, 177, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 177, 221) }
```

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

```
.background{ background-color: rgb(207,  
177, 221) }
```

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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