

Converting Colors

`RYB(204, 170, 237)`

Have a look what the booklet for RYB(204, 170, 237) contains.

RYB(204, 170, 237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(204, 170, 237)

Conversions

Conversions Part 1

Format	Color
Hex	CCAAED
RGB	204, 170, 237
RGB Percent	80%, 67%, 93%
CMY	0.2000, 0.3333, 0.0706
CMYK	0.14, 0.28, 0.00, 0.07
HSL	270°, 65%, 80%
HSV	270°, 28%, 93%
XYZ	54.5626, 47.7012, 86.4523
YIQ	187.8040, -1.2430, 28.0450

Conversions

Conversions Part 2

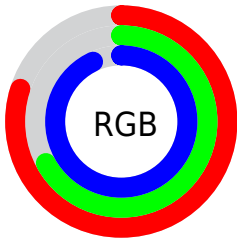
Format	Color
R _Y B	204, 170, 237
Decimal	13413101
CIE Lab	74.64, 24.88, -28.93
CIE LCh	75, 38.153, 310.693
Yxy	47.7012, 0.2891, 0.2528
Android (android.graphics.Color)	4291603181 (0xFFCCAED)
YUV	187.8040, 24.2536, 14.2039
Hunter-Lab	69.0661, 20.1504, -25.8690

Details

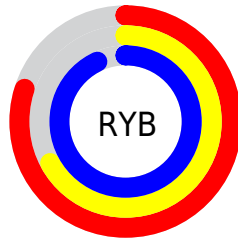
The RYB color **204, 170, 237** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 237, 204**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **255, 225, 255**, and **149, 118, 181** is the 20% darker color. If you saturate the color by 10%, you get **192, 146, 237**, and if you desaturate by 10%, it is **216, 194, 237**.

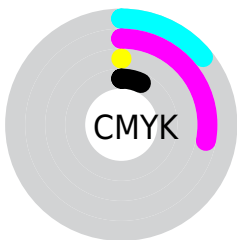
Distribution



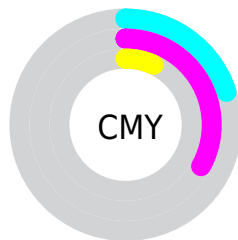
- Red (80%)
- Green (67%)
- Blue (93%)



- Red (80%)
- Yellow (67%)
- Blue (93%)



- Cyan (14%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 170, 237 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 204, 170, 237 by changing the saturation by 10% instead.

 204, 170, 237

255, 255, 255

 255, 225, 255

255, 254, 255

 204, 170, 237


 176, 143, 209

 149, 118, 181

 123, 93, 154

 97, 69, 128

 72, 46, 102

 48, 24, 78

 26, 1, 55

 0, 1, 33

 0, 0, 6

■ 204, 170, 237

■ 204, 170, 237

■ 192, 146, 237

■ 216, 194, 237

■ 181, 123, 237

■ 227, 217, 237

■ 169, 99, 237

■ 237, 241, 239

■ 157, 75, 237

■ 237, 255, 241

■ 146, 51, 237

■ 237, 255, 237

■ 134, 28, 237

■ 122, 4, 237

■ 120, 0, 237

Harmonies

Analogous

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



154, 176, 252



204, 170, 237



238, 160, 208

Triad

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



204, 170, 237



221, 227, 118



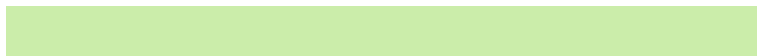
67, 137, 203

Complementary

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



204, 170, 237



170, 237, 204

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.



113, 171, 201



204, 170, 237



124, 195, 114

Square

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



204, 170, 237



247, 168, 140



129, 195, 168



48, 130, 228

Rectangle

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



204, 170, 237



250, 157, 184



129, 195, 168



82, 147, 202

Sweetspot

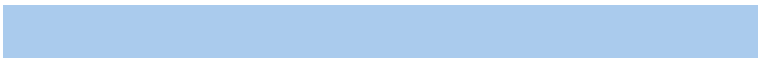
The Sweet Spot groups the original color and five complimentary colors.



204, 170, 237



245, 235, 255



170, 192, 237



121, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



204, 170, 237



212, 168, 255



237, 170, 237



112, 106, 117



92, 0, 181



27, 0, 54

Inverse Universe

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



237, 170, 203



255, 168, 211



170, 237, 237



117, 106, 111



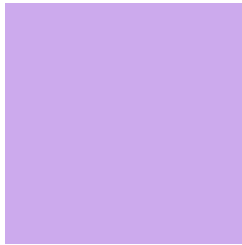
181, 0, 89



54, 0, 26

Previews

White Background



This preview shows how the RYB color 204, 170, 237 looks on a white background.

Color Contrast Check

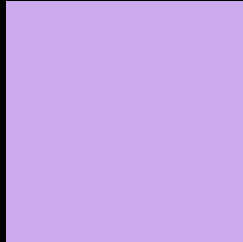
Large Text (above 18pt) WCAG AA × Fail

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 204, 170, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

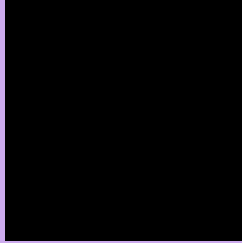
Any Text WCAG AA ✓ Pass

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](#).

RYP 204, 170, 237 Background



This preview shows how black text looks on a background with the RYP color 204, 170, 237.



This preview shows how white text looks on a background with the RYP color 204, 170, 237.

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
204, 170, 237

Protanopia
166, 179, 246

Deuteranopia
175, 180, 235



Tritanopia
197, 178, 192

Trichromacy



Original Color
204, 170, 237

Protanomaly
180, 177, 243

Deuteranomaly
186, 176, 236

Tritanomaly
200, 175, 208

Monochromacy



Original Color
204, 170, 237

Achromatopsia
188, 188, 188

Achromatomaly
194, 181, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 170, 237 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(204, 170, 237) looks like.

```
.text, #text, p{  
    color:rgb(204, 170, 237)  
}
```

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(204, 170, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 170, 237) }
```

Border

The CSS property to change the border of an element to RYB 204, 170, 237 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(204, 170, 237) }
```

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

```
.border{ border-color:rgb(204, 170, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 170, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 170, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 170, 237);  
box-shadow:4px 4px 4px 4px rgb(204, 170,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 204, 170, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 170, 237) }
```

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

```
.background{ background-color: rgb(204,  
170, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor