

Converting Colors

`RYB(205, 170, 226)`

Have a look what the booklet for RYB(205, 170, 226) contains.

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Color

R_YB(205, 170, 226)

Conversions

Conversions Part 1

Format	Color
Hex	CDAAE2
RGB	205, 170, 226
RGB Percent	80%, 67%, 89%
CMY	0.1961, 0.3333, 0.1137
CMYK	0.09, 0.25, 0.00, 0.11
HSL	278°, 49%, 78%
HSV	278°, 25%, 89%
XYZ	53.2790, 47.2196, 78.2577
YIQ	186.8490, 2.8840, 24.8360

Conversions

Conversions Part 2

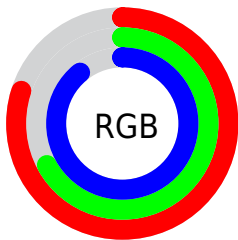
Format	Color
R _Y B	205, 170, 226
Decimal	13478626
CIE Lab	74.33, 22.91, -23.41
CIE LCh	74, 32.756, 314.383
Yxy	47.2196, 0.2981, 0.2642
Android (android.graphics.Color)	4291668706 (0xFFCDAAE2)
YUV	186.8490, 19.3014, 15.9184
Hunter-Lab	68.7165, 18.1453, -19.4208

Details

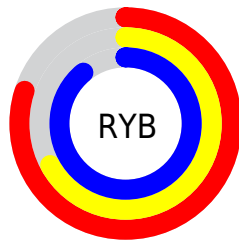
The RYB color **205, 170, 226** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 226, 205**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **255, 225, 255**, and **150, 118, 171** is the 20% darker color. If you saturate the color by 10%, you get **197, 147, 226**, and if you desaturate by 10%, it is **213, 193, 226**.

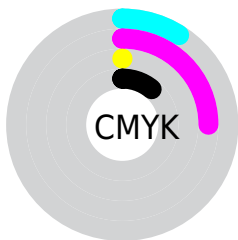
Distribution



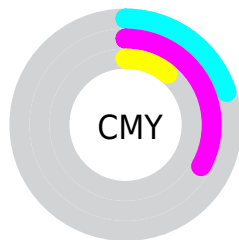
- Red (80%)
- Green (67%)
- Blue (89%)



- Red (80%)
- Yellow (67%)
- Blue (89%)



- Cyan (9%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 170, 226 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 205, 170, 226 by changing the saturation by 10% instead.


 205, 170, 226


255, 255, 255

 255, 225, 255

255, 254, 255

 205, 170, 226


 177, 143, 198

 150, 118, 171

 124, 93, 144

 99, 69, 118

 74, 46, 93

 50, 24, 69

 29, 1, 47

 0, 1, 26

 0, 0, 0

■ 205, 170, 226

■ 205, 170, 226

■ 197, 147, 226

■ 213, 193, 226

■ 188, 125, 226

■ 222, 215, 226

■ 180, 102, 226

■ 226, 238, 234

■ 171, 80, 226

■ 226, 255, 242

■ 163, 57, 226

■ 226, 255, 234

■ 154, 34, 226

■ 226, 255, 226

■ 146, 12, 226

■ 141, 0, 226

Harmonies

Analogous

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



165, 178, 241



205, 170, 226



232, 162, 200

Triad

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



205, 170, 226



202, 218, 125



90, 145, 199

Complementary

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



205, 170, 226



170, 226, 205

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.



120, 169, 198



205, 170, 226



127, 189, 124

Square

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



205, 170, 226



237, 174, 142



139, 193, 177



87, 148, 224

Rectangle

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



205, 170, 226



241, 160, 179



139, 193, 177



99, 152, 199

Sweetspot

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



205, 170, 226



248, 237, 255



170, 185, 226



124, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



205, 170, 226



226, 179, 255



226, 170, 219



108, 101, 112



110, 0, 176



30, 0, 48

Inverse Universe

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



226, 170, 191



255, 179, 207



170, 220, 226



112, 101, 105



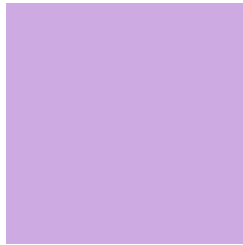
176, 0, 66



48, 0, 18

Previews

White Background



This preview shows how the RYB color 205, 170, 226 looks on a white background.

Color Contrast Check

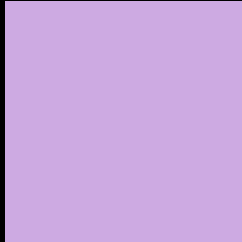
Large Text (above 18pt) WCAG AA × Fail

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 205, 170, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

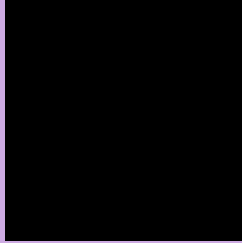
Any Text WCAG AA ✓ Pass

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 205, 170, 226 Background



This preview shows how black text looks on a background with the RYB color 205, 170, 226.



This preview shows how white text looks on a background with the RYB color 205, 170, 226.

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
205, 170, 226

Protanopia
169, 179, 234

Deuteranopia
180, 179, 224



Tritanopia
199, 177, 190

Trichromacy



Original Color
205, 170, 226

Protanomaly
182, 177, 231

Deuteranomaly
189, 176, 225

Tritanomaly
201, 174, 203

Monochromacy



Original Color
205, 170, 226

Achromatopsia
187, 187, 187

Achromatomaly
194, 181, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 170, 226 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(205, 170, 226) looks like.

```
.text, #text, p{  
    color:rgb(205, 170, 226)  
}
```

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(205, 170, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 170, 226) }
```

Border

The CSS property to change the border of an element to RYB 205, 170, 226 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(205, 170, 226) }
```

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

```
.border{ border-color:rgb(205, 170, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 170, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 170, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 170, 226);  
box-shadow:4px 4px 4px 4px rgb(205, 170,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 205, 170, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 170, 226) }
```

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

```
.background{ background-color: rgb(205,  
170, 226) }
```

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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