

Converting Colors

`RYB(195, 170, 246)`

Have a look what the booklet for
RYB(195, 170, 246) contains.

RYB(195, 170, 246)	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(195, 170, 246)

Conversions

Conversions Part 1

Format	Color
Hex	C3AAF6
RGB	195, 170, 246
RGB Percent	76%, 67%, 96%
CMY	0.2353, 0.3333, 0.0353
CMYK	0.21, 0.31, 0.00, 0.04
HSL	260°, 81%, 82%
HSV	260°, 31%, 96%
XYZ	53.5150, 47.0054, 93.4412
YIQ	186.1390, -9.4960, 28.9360

Conversions

Conversions Part 2

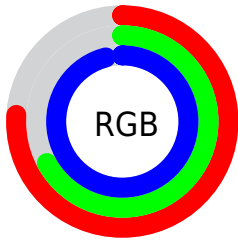
Format	Color
R_{YB}	195, 170, 246
Decimal	12823286
CIE _{Lab}	74.19, 24.11, -34.55
CIE _{LCh}	74, 42.133, 304.904
Yxy	47.0054, 0.2759, 0.2423
Android (android.graphics.Color)	4291013366 (0xFFC3AAF6)
YUV	186.1390, 29.5115, 7.7711
Hunter-Lab	68.5605, 19.3476, -32.8141

Details

The RYB color **195, 170, 246** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 246, 195**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **252, 225, 255**, and **140, 118, 189** is the 20% darker color. If you saturate the color by 10%, you get **178, 145, 246**, and if you desaturate by 10%, it is **212, 195, 246**.

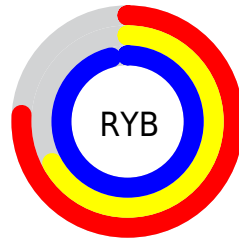
Distribution



Red (76%)

Green (67%)

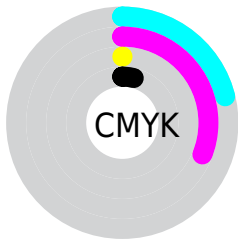
Blue (96%)



Red (76%)

Yellow (67%)

Blue (96%)

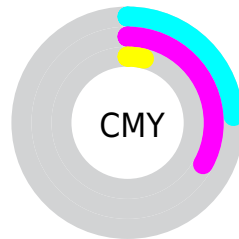


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (4%)



Cyan (24%)

Magenta (33%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 195, 170, 246 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 195, 170, 246 by changing the saturation by 10% instead.


 195, 170, 246


255, 255, 255

 252, 225, 255

255, 254, 255

 195, 170, 246

 167, 143, 217

 140, 118, 189

 114, 93, 162

 88, 69, 136

 63, 46, 110

 38, 25, 85


 13, 2, 62


 0, 3, 39


 0, 1, 17

 195, 170, 246


 195, 170, 246

 178, 145, 246

 212, 195, 246

 162, 121, 246

 228, 219, 246

 145, 96, 246


 245, 244, 246

 129, 72, 246

 246, 255, 246

 112, 47, 246

 96, 22, 246

 81, 0, 246

Harmonies

Analogous

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



135, 170, 255



195, 170, 246



236, 157, 216

Triad

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



195, 170, 246



234, 217, 113



50, 130, 203

Complementary

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



195, 170, 246



170, 246, 195

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.



112, 174, 200



195, 170, 246



128, 201, 104

Square

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



195, 170, 246



254, 160, 140



117, 193, 150



0, 106, 225

Rectangle

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



195, 170, 246



252, 152, 191



117, 193, 150



74, 147, 203

Sweetspot

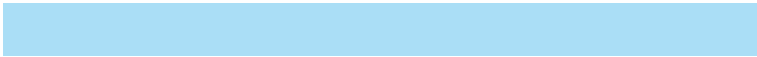
The Sweet Spot groups the original color and five complimentary colors.



195, 170, 246



240, 232, 255



170, 201, 246



118, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



195, 170, 246



192, 161, 255



232, 170, 246



114, 110, 122



61, 0, 186



19, 0, 59

Inverse Universe

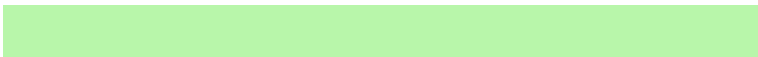
The Inverse Universe completely reimagines the original color for something new.



246, 170, 221



255, 161, 224



170, 246, 232



122, 110, 118



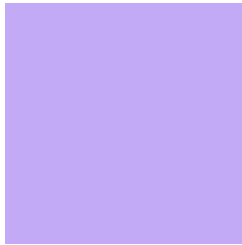
186, 0, 125



59, 0, 39

Previews

White Background



This preview shows how the RYB color 195, 170, 246 looks on a white background.

Color Contrast Check

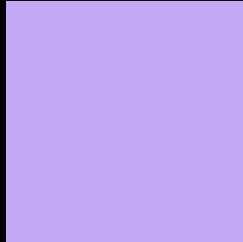
Large Text (above 18pt) WCAG AA × Fail

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 195, 170, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

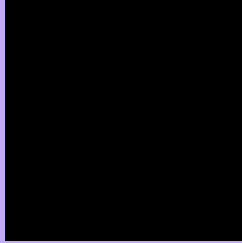
Any Text WCAG AA ✓ Pass

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 195, 170, 246 Background



This preview shows how black text looks on a background with the RYB color 195, 170, 246.




This preview shows how white text looks on a background with the RYB color 195, 170, 246.

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
186, 180, 194

Trichromacy



Original Color
195, 170, 246

Protanomaly
173, 176, 251

Deuteranomaly
177, 176, 245

Tritanomaly
189, 176, 213

Monochromacy



Original Color
195, 170, 246

Achromatopsia
186, 186, 186

Achromatomaly
189, 180, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 195, 170, 246 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(195, 170, 246)` looks like.

```
.text, #text, p{  
    color:rgb(195, 170, 246)  
}
```

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(195, 170, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 170, 246) }
```

Border

The CSS property to change the border of an element to RYB 195, 170, 246 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(195, 170, 246) }
```

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

```
.border{ border-color:rgb(195, 170, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 170, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 170, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 170, 246); box-shadow:4px 4px 4px 4px rgb(195, 170, 246) }
```

Background

The CSS property to change the background color of an element to RYB 195, 170, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 170, 246) }
```

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

```
.background{ background-color: rgb(195,  
170, 246) }
```

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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