

Converting Colors

`RYB(207, 163, 255)`

Have a look what the booklet for
RYB(207, 163, 255) contains.

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Color

R_YB(207, 163, 255)

Conversions

Conversions Part 1

Format	Color
Hex	CFA3FF
RGB	207, 163, 255
RGB Percent	81%, 64%, 100%
CMY	0.1882, 0.3608, 0.0000
CMYK	0.19, 0.36, 0.00, 0.00
HSL	269°, 100%, 82%
HSV	269°, 36%, 100%
XYZ	56.8793, 46.6798, 100.6200
YIQ	186.6440, -3.3080, 37.9400

Conversions

Conversions Part 2

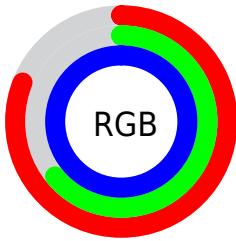
Format	Color
R_{YB}	207, 163, 255
Decimal	13607935
CIE _{Lab}	73.98, 33.48, -39.66
CIE _{LCh}	74, 51.906, 310.173
Yxy	46.6798, 0.2786, 0.2286
Android (android.graphics.Color)	4291798015 (0xFFCFA3FF)
YUV	186.6440, 33.6995, 17.8522
Hunter-Lab	68.3226, 29.0387, -39.4917

Details

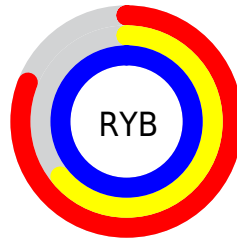
The RYB color **207, 163, 255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **163, 255, 207**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **255, 218, 255**, and **151, 111, 198** is the 20% darker color. If you saturate the color by 10%, you get **194, 137, 255**, and if you desaturate by 10%, it is **220, 188, 255**.

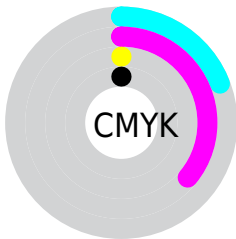
Distribution



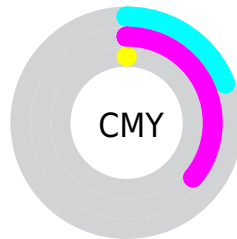
- Red (81%)
- Green (64%)
- Blue (100%)



- Red (81%)
- Yellow (64%)
- Blue (100%)



- Cyan (19%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RYB color 207, 163, 255 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, 163, 255 by changing the saturation by 10% instead.


 207, 163, 255

 207, 163, 255

255, 255, 255

 179, 136, 226

 255, 218, 255

 151, 111, 198

 255, 247, 255

 124, 86, 170

 98, 62, 144


 72, 38, 118

 47, 15, 92


 22, 0, 68


 0, 0, 45


 0, 1, 24

 207, 163, 255

 207, 163, 255

 194, 137, 255


 220, 188, 255

 180, 112, 255


 234, 214, 255

 167, 86, 255

 247, 239, 255

 154, 61, 255

255, 255, 255

 140, 35, 255

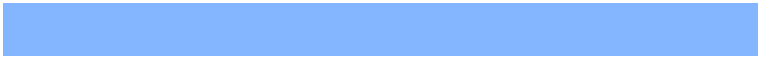
 127, 10, 255

 122, 0, 255

Harmonies

Analogous

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



132, 167, 255



207, 163, 255



253, 147, 215

Triad

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



207, 163, 255



224, 237, 92



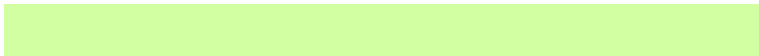
0, 105, 206

Complementary

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



207, 163, 255



163, 255, 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.



73, 156, 204



207, 163, 255



97, 195, 85

Square

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



207, 163, 255



255, 159, 123



106, 197, 160



0, 111, 242

Rectangle

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



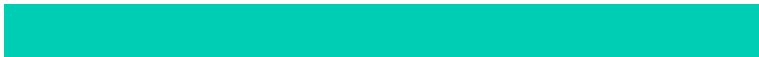
207, 163, 255



255, 142, 183



106, 197, 160



0, 110, 206

Sweetspot

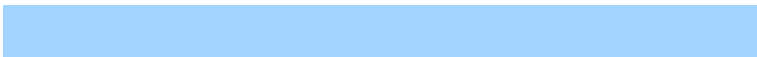
The Sweet Spot groups the original color and five complimentary colors.



207, 163, 255



240, 227, 255



163, 195, 255



119, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



207, 163, 255



198, 145, 255



252, 163, 255



121, 115, 128



91, 0, 191



30, 0, 64

Inverse Universe

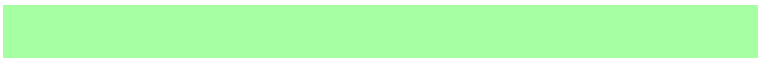
The Inverse Universe completely reimagines the original color for something new.



255, 163, 211



255, 145, 203



163, 255, 252



128, 115, 121



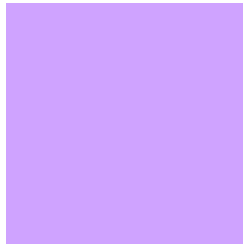
191, 0, 100



64, 0, 33

Previews

White Background



This preview shows how the RYB color 207, 163, 255 looks on a white background.

Color Contrast Check

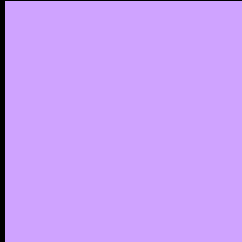
Large Text (above 18pt) WCAG AA × Fail

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, 163, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

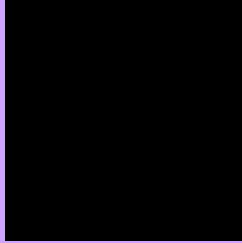
Any Text WCAG AA ✓ Pass

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, 163, 255 Background



This preview shows how black text looks on a background with the RYB color 207, 163, 255.



This preview shows how white text looks on a background with the RYB color 207, 163, 255.

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, 163, 255

Protanopia
158, 176, 255

Deuteranopia
159, 176, 252



Tritanopia
196, 176, 190

Trichromacy



Original Color

207, 163, 255



Protanomaly

176, 174, 255



Deuteranomaly

176, 174, 253

Tritanomaly

200, 171, 214

Monochromacy



Original Color

207, 163, 255



Achromatopsia

187, 187, 187



Achromatomaly

194, 178, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 207, 163, 255 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, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 163, 255)  
}
```

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, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 163, 255) }
```

Border

The CSS property to change the border of an element to RYB 207, 163, 255 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, 163, 255) }
```

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

```
.border{ border-color:rgb(207, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 163,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 207, 163, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 163, 255) }
```

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

```
.background{ background-color: rgb(207,  
163, 255) }
```

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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