

Converting Colors

`RYB(204, 164, 219)`

Have a look what the booklet for
RYB(204, 164, 219) contains.

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Color

R_YB(204, 164, 219)

Conversions

Conversions Part 1

Format	Color
Hex	CCA4DB
RGB	204, 164, 219
RGB Percent	80%, 64%, 86%
CMY	0.2000, 0.3569, 0.1412
CMYK	0.07, 0.25, 0.00, 0.14
HSL	284°, 43%, 75%
HSV	284°, 25%, 86%
XYZ	50.9635, 44.5028, 72.9217
YIQ	182.2300, 6.1850, 25.5850

Conversions

Conversions Part 2

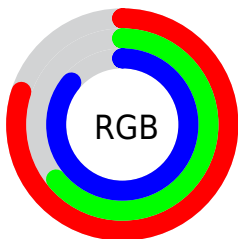
Format	Color
R_{YB}	204, 164, 219
Decimal	13411547
CIE _{Lab}	72.56, 24.47, -22.29
CIE _{LCh}	73, 33.095, 317.667
Yxy	44.5028, 0.3027, 0.2643
Android (android.graphics.Color)	4291601627 (0xFFCCA4DB)
YUV	182.2300, 18.1276, 19.0923
Hunter-Lab	66.7104, 19.6221, -18.1131

Details

The RYB color `204, 164, 219` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `164, 219, 204`, and the grayscale version is `182, 182, 182`.

A 20% lighter version of the original color is `255, 219, 255`, and `149, 112, 164` is the 20% darker color. If you saturate the color by 10%, you get `198, 142, 219`, and if you desaturate by 10%, it is `210, 186, 219`.

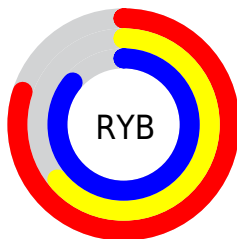
Distribution



Red (80%)

Green (64%)

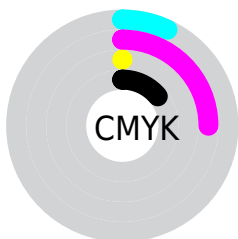
Blue (86%)



Red (80%)

Yellow (64%)

Blue (86%)

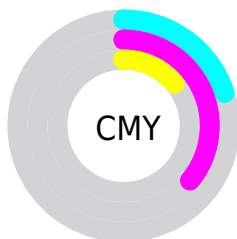


Cyan (7%)

Magenta (25%)

Yellow (0%)

Black (14%)



Cyan (20%)


Magenta (36%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 164, 219 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, 164, 219 by changing the saturation by 10% instead.

 204, 164, 219

 204, 164, 219

255, 255, 255

 176, 138, 191

 255, 219, 255

 149, 112, 164

 255, 248, 255

 123, 87, 137

 98, 63, 112


 73, 41, 87

 50, 19, 64

 30, 0, 42


 0, 1, 20


 0, 0, 0

 204, 164, 219

 204, 164, 219

 198, 142, 219


 210, 186, 219

 192, 120, 219

 216, 208, 219

 186, 98, 219


 219, 230, 227

 180, 76, 219


 219, 252, 243

 174, 55, 219

 219, 255, 240

 168, 33, 219

 219, 255, 234

 162, 11, 219

 219, 255, 228

 159, 0, 219

 219, 255, 222

 219, 255, 219

Harmonies

Analogous

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



164, 174, 235



204, 164, 219



230, 156, 192

Triad

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



204, 164, 219



184, 210, 119



81, 138, 195

Complementary

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



204, 164, 219



164, 219, 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.



110, 161, 194



204, 164, 219



120, 182, 121

Square

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



204, 164, 219



231, 173, 135



136, 189, 179



81, 143, 222

Rectangle

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



204, 164, 219



237, 155, 171



136, 189, 179



89, 145, 195

Sweetspot

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



204, 164, 219



249, 235, 255



164, 176, 219



124, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



204, 164, 219



234, 179, 255



219, 164, 207



107, 99, 110



126, 0, 173



33, 0, 46

Inverse Universe

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



219, 164, 179



255, 179, 199



164, 209, 219



110, 99, 102



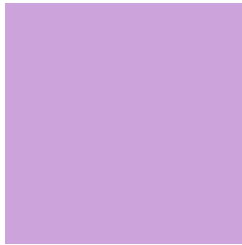
173, 0, 47



46, 0, 13

Previews

White Background



This preview shows how the RYB color 204, 164, 219 looks on a white background.

Color Contrast Check

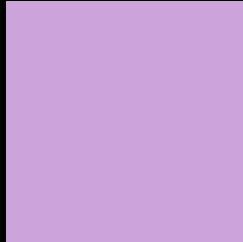
Large Text (above 18pt) WCAG AA × Fail

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, 164, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

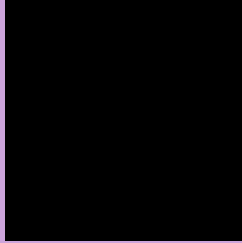
Any Text WCAG AA ✓ Pass

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 204, 164, 219 Background



This preview shows how black text looks on a background with the RYB color 204, 164, 219.



This preview shows how white text looks on a background with the RYB color 204, 164, 219.

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, 164, 219

Protanopia
165, 174, 228

Deuteranopia
176, 174, 217



Tritanopia
199, 171, 184

Trichromacy



Original Color
204, 164, 219

Protanomaly
179, 172, 225

Deuteranomaly
186, 170, 218

Tritanomaly
201, 168, 197

Monochromacy



Original Color
204, 164, 219

Achromatopsia
182, 182, 182

Achromatomaly
190, 175, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 164, 219 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, 164, 219) looks like.

```
.text, #text, p{  
    color:rgb(204, 164, 219)  
}
```

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, 164, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 164, 219) }
```

Border

The CSS property to change the border of an element to RYB 204, 164, 219 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, 164, 219) }
```

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

```
.border{ border-color:rgb(204, 164, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 164, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 164, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 164, 219);  
box-shadow:4px 4px 4px 4px rgb(204, 164,  
219) }
```

Background

The CSS property to change the background color of an element to RGB 204, 164, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 164, 219) }
```

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

```
.background{ background-color: rgb(204,  
164, 219) }
```

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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