

Converting Colors

`RYB(204, 163, 227)`

Have a look what the booklet for
RYB(204, 163, 227) contains.

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Color

R_YB(204, 163, 227)

Conversions

Conversions Part 1

Format	Color
Hex	CCA3E3
RGB	204, 163, 227
RGB Percent	80%, 64%, 89%
CMY	0.2000, 0.3608, 0.1098
CMYK	0.10, 0.28, 0.00, 0.11
HSL	278°, 53%, 76%
HSV	278°, 28%, 89%
XYZ	51.8642, 44.5778, 78.5439
YIQ	182.5550, 3.8920, 28.5960

Conversions

Conversions Part 2

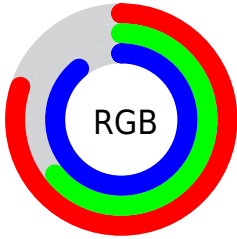
Format	Color
RYB	204, 163, 227
Decimal	13411299
CIELab	72.61, 26.63, -26.59
CIELCh	73, 37.631, 315.045
Yxy	44.5778, 0.2964, 0.2548
Android (android.graphics.Color)	4291601379 (0xFFCCA3E3)
YUV	182.5550, 21.9114, 18.8073
Hunter-Lab	66.7666, 21.8168, -23.0118

Details

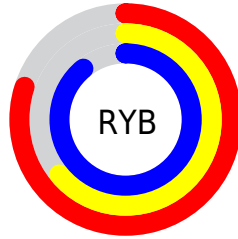
The RYB color **204, 163, 227** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **163, 227, 204**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **255, 218, 255**, and **149, 111, 171** is the 20% darker color. If you saturate the color by 10%, you get **196, 140, 227**, and if you desaturate by 10%, it is **212, 186, 227**.

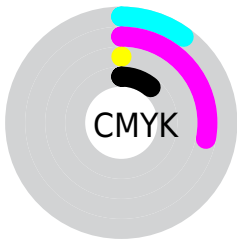
Distribution



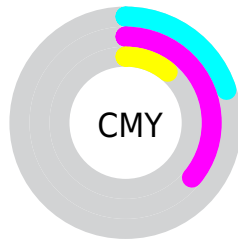
- Red (80%)
- Green (64%)
- Blue (89%)



- Red (80%)
- Yellow (64%)
- Blue (89%)



- Cyan (10%)
- Magenta (28%)
- Yellow (0%)
- Black (11%)




- Cyan (20%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 163, 227 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, 163, 227 by changing the saturation by 10% instead.

 204, 163, 227

 204, 163, 227


255, 255, 255

 176, 137, 199

 255, 218, 255

 149, 111, 171

 255, 247, 255


 123, 86, 145

 97, 62, 119


 73, 39, 94


 49, 17, 70


 28, 0, 48


 0, 1, 26

 0, 0, 0

 204, 163, 227

 204, 163, 227

 196, 140, 227


 212, 186, 227

 188, 118, 227

 220, 208, 227

 180, 95, 227


 227, 231, 230

 171, 72, 227

 227, 254, 244

 163, 49, 227

 227, 255, 237

 155, 27, 227

 227, 255, 229

 147, 4, 227

 227, 255, 227

 145, 0, 227

Harmonies

Analogous

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



157, 173, 244



204, 163, 227



235, 154, 197

Triad

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



204, 163, 227



194, 216, 112



57, 128, 197

Complementary

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



204, 163, 227



163, 227, 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.



102, 160, 195



204, 163, 227



113, 184, 111

Square

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



204, 163, 227



238, 169, 131



128, 190, 173



47, 128, 226

Rectangle

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



204, 163, 227



244, 151, 174



128, 190, 173



71, 138, 197

Sweetspot

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



204, 163, 227



248, 235, 255



163, 180, 227



123, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



204, 163, 227



224, 168, 255



227, 163, 218



111, 103, 115



114, 0, 179



33, 0, 51

Inverse Universe

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



227, 163, 186



255, 168, 199



163, 219, 227



115, 103, 107



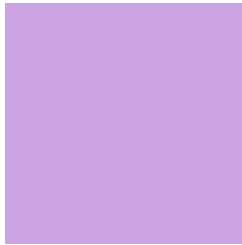
179, 0, 64



51, 0, 18

Previews

White Background



This preview shows how the RYB color 204, 163, 227 looks on a white background.

Color Contrast Check

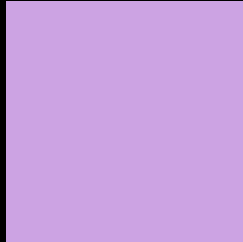
Large Text (above 18pt) WCAG AA × Fail

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, 163, 227 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, 163, 227 Background



This preview shows how black text looks on a background with the RYP color 204, 163, 227.



This preview shows how white text looks on a background with the RYP color 204, 163, 227.

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, 163, 227

Protanopia
162, 174, 237

Deuteranopia
172, 175, 225



Tritanopia
197, 171, 184

Trichromacy



Original Color
204, 163, 227

Protanomaly
177, 171, 233

Deuteranomaly
184, 171, 226

Tritanomaly
200, 168, 200

Monochromacy



Original Color
204, 163, 227

Achromatopsia
183, 183, 183

Achromatomaly
191, 176, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 163, 227 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, 163, 227) looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 227)  
}
```

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, 163, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 227) }
```

Border

The CSS property to change the border of an element to RYB 204, 163, 227 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, 163, 227) }
```

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

```
.border{ border-color:rgb(204, 163, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 163, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 163, 227); box-shadow:4px 4px 4px 4px rgb(204, 163, 227) }
```

Background

The CSS property to change the background color of an element to RGB 204, 163, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 227) }
```

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

```
.background{ background-color: rgb(204,  
163, 227) }
```

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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