

Converting Colors

`RYB(202, 42, 213)`

Have a look what the booklet for
RYB(202, 42, 213) contains.

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Color

R_YB(202, 42, 213)

Conversions

Conversions Part 1

Format	Color
Hex	CA2AD5
RGB	202, 42, 213
RGB Percent	79%, 16%, 84%
CMY	0.2078, 0.8353, 0.1647
CMYK	0.05, 0.80, 0.00, 0.16
HSL	296°, 67%, 50%
HSV	296°, 80%, 84%
XYZ	37.1953, 19.0166, 64.6609
YIQ	109.3340, 40.4690, 87.1010

Conversions

Conversions Part 2

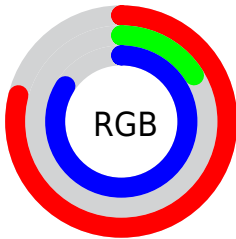
Format	Color
R_{YB}	202, 42, 213
Decimal	13249237
CIE _{Lab}	50.71, 78.20, -53.10
CIE _{LCh}	51, 94.519, 325.822
Yxy	19.0166, 0.3077, 0.1573
Android (android.graphics.Color)	4291439317 (0xFFCA2AD5)
YUV	109.3340, 51.1073, 81.2681
Hunter-Lab	43.6080, 75.9371, -57.3882

Details

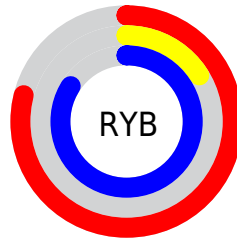
The RYB color **202, 42, 213** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **42, 213, 202**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **255, 108, 255**, and **143, 0, 157** is the 20% darker color. If you saturate the color by 10%, you get **201, 21, 213**, and if you desaturate by 10%, it is **203, 63, 213**.

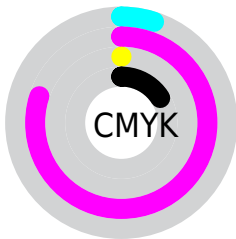
Distribution



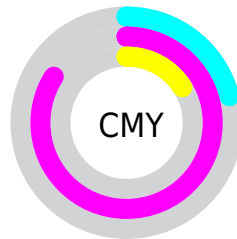
- Red (79%)
- Green (16%)
- Blue (84%)



- Red (79%)
- Yellow (16%)
- Blue (84%)



- Cyan (5%)
- Magenta (80%)
- Yellow (0%)
- Black (16%)



- Cyan (21%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 42, 213 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 202, 42, 213 by changing the saturation by 10% instead.

 202, 42, 213

 202, 42, 213

255, 255, 255

 172, 0, 185

 255, 108, 255

 143, 0, 157

 255, 138, 255

 115, 0, 131

 255, 167, 255

 86, 0, 105

 255, 197, 255

 60, 0, 80

 255, 227, 255

 28, 0, 56

 0, 2, 33

 0, 0, 6

 0, 0, 0

■ 202, 42, 213

■ 202, 42, 213

■ 201, 21, 213

■ 203, 63, 213

■ 199, 0, 213

■ 205, 85, 213

■ 206, 106, 213

■ 207, 127, 213

■ 209, 149, 213

■ 210, 170, 213

■ 212, 191, 213

■ 213, 212, 213

■ 213, 234, 233

Harmonies

Analogous

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



56, 95, 255



202, 42, 213



250, 0, 136

Triad

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



202, 42, 213



59, 157, 0



0, 85, 190

Complementary

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



202, 42, 213



42, 213, 202

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.



0, 88, 151



202, 42, 213



0, 136, 58

Square

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



202, 42, 213



215, 111, 0



0, 147, 147



0, 94, 255

Rectangle

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



202, 42, 213



254, 0, 83



0, 147, 147



0, 79, 163

Sweetspot

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



202, 42, 213



251, 194, 255



42, 52, 213



125, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 42, 213



239, 10, 255



213, 42, 139



106, 96, 107



160, 0, 171



41, 0, 43

Inverse Universe

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



213, 42, 53



255, 10, 26



42, 161, 213



107, 96, 97



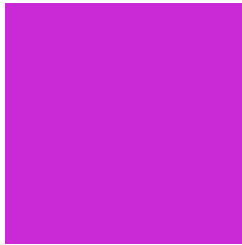
171, 0, 11



43, 0, 3

Previews

White Background



This preview shows how the RYB color 202, 42, 213 looks on a white background.

Color Contrast Check

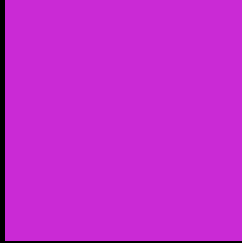
Large Text (above 18pt) WCAG AA ✓ Pass

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 202, 42, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

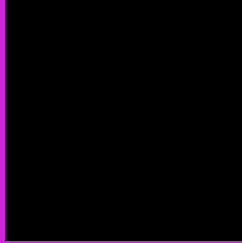
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 202, 42, 213 Background



This preview shows how black text looks on a background with the RYB color 202, 42, 213.

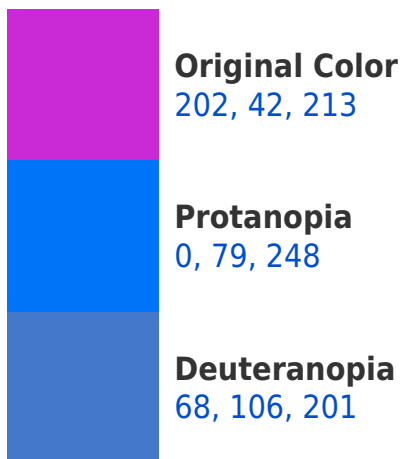



This preview shows how white text looks on a background with the RYB color 202, 42, 213.

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
188, 90, 97

Trichromacy



Original Color

202, 42, 213



Protanomaly

73, 88, 235



Deuteranomaly

117, 93, 205



Tritanomaly

193, 73, 139

Monochromacy



Original Color

202, 42, 213



Achromatopsia

109, 109, 109



Achromatomaly

143, 85, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 42, 213 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(202, 42, 213)` looks like.

```
.text, #text, p{  
    color:rgb(202, 42, 213)  
}
```

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(202, 42, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 42, 213) }
```

Border

The CSS property to change the border of an element to RYB 202, 42, 213 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(202, 42, 213) }
```

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

```
.border{ border-color:rgb(202, 42, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 42, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 42, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 42, 213);  
box-shadow:4px 4px 4px 4px rgb(202, 42,  
213) }
```

Background

The CSS property to change the background color of an element to RGB 202, 42, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 42, 213) }
```

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

```
.background{ background-color: rgb(202, 42,  
213) }
```

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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