

Converting Colors

`RYB(186, 42, 213)`

Have a look what the booklet for
RYB(186, 42, 213) contains.

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Color

`RYB(186, 42, 213)`

Conversions

Conversions Part 1

Format	Color
Hex	BA2AD5
RGB	186, 42, 213
RGB Percent	73%, 16%, 84%
CMY	0.2706, 0.8353, 0.1647
CMYK	0.13, 0.80, 0.00, 0.16
HSL	291°, 67%, 50%
HSV	291°, 80%, 84%
XYZ	33.0879, 16.8991, 64.4687
YIQ	104.5500, 30.9330, 83.7090

Conversions

Conversions Part 2

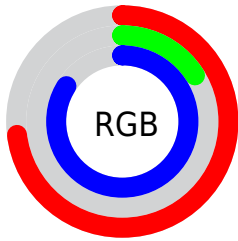
Format	Color
R_{YB}	186, 42, 213
Decimal	12200661
CIE _{Lab}	48.13, 75.30, -57.37
CIE _{LCh}	48, 94.663, 322.697
Yxy	16.8991, 0.2891, 0.1476
Android (android.graphics.Color)	4290390741 (0xFFBA2AD5)
YUV	104.5500, 53.4659, 71.4317
Hunter-Lab	41.1085, 71.7331, -64.2059

Details

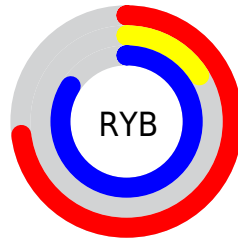
The RYB color **186, 42, 213** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **42, 213, 186**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **246, 106, 255**, and **128, 0, 157** is the 20% darker color. If you saturate the color by 10%, you get **183, 21, 213**, and if you desaturate by 10%, it is **189, 63, 213**.

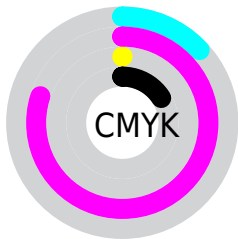
Distribution



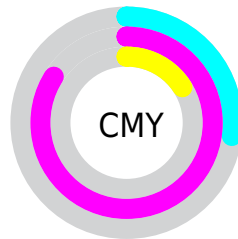
- Red (73%)
- Green (16%)
- Blue (84%)



- Red (73%)
- Yellow (16%)
- Blue (84%)



- Cyan (13%)
- Magenta (80%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 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 186, 42, 213 by changing the saturation by 10% instead.



186, 42, 213



186, 42, 213

255, 255, 255



157, 0, 185



246, 106, 255



128, 0, 157



255, 135, 255



99, 0, 131



255, 164, 255



71, 0, 105



255, 193, 255



44, 0, 80



255, 223, 255



3, 0, 56



255, 253, 255



0, 2, 33



0, 0, 6



0, 0, 0

■ 186, 42, 213

■ 186, 42, 213

■ 183, 21, 213

■ 189, 63, 213

■ 179, 0, 213

■ 193, 85, 213

■ 196, 106, 213

■ 199, 127, 213

■ 203, 149, 213

■ 206, 170, 213

■ 210, 191, 213

■ 213, 212, 213

■ 213, 234, 231

Harmonies

Analogous

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



0, 73, 255



186, 42, 213



239, 0, 138

Triad

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



186, 42, 213



76, 156, 0



0, 79, 175

Complementary

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



186, 42, 213



42, 213, 186

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, 144



186, 42, 213



0, 128, 48

Square

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



186, 42, 213



211, 82, 0



0, 139, 139



0, 90, 243

Rectangle

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



186, 42, 213



247, 0, 85



0, 139, 139



0, 73, 148

Sweetspot

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



186, 42, 213



245, 194, 255



42, 67, 213



122, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



186, 42, 213



216, 10, 255



213, 42, 156



105, 96, 107



144, 0, 171



37, 0, 43

Inverse Universe

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



213, 42, 69



255, 10, 49



42, 170, 213



107, 96, 98



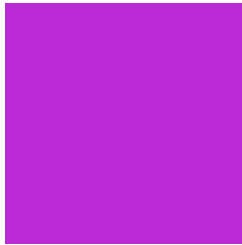
171, 0, 27



43, 0, 7

Previews

White Background



This preview shows how the RYB color 186, 42, 213 looks on a white background.

Color Contrast Check

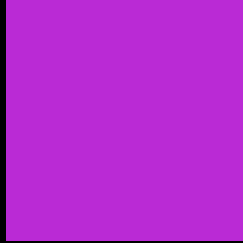
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 186, 42, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

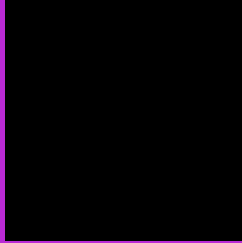
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 186, 42, 213 Background



This preview shows how black text looks on a background with the RYB color 186, 42, 213.

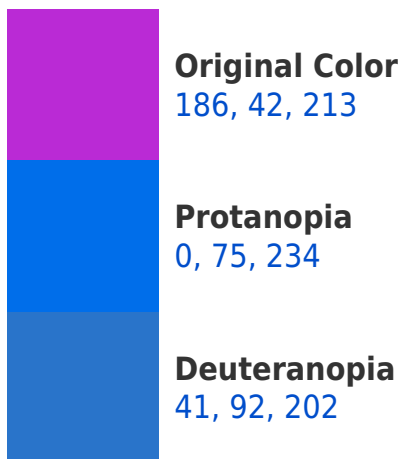


This preview shows how white text looks on a background with the RYB color 186, 42, 213.

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
171, 90, 97

Trichromacy



Original Color

186, 42, 213



Protanomaly

68, 84, 226



Deuteranomaly

94, 89, 206



Tritanomaly

176, 73, 139

Monochromacy



Original Color

186, 42, 213



Achromatopsia

105, 105, 105



Achromatomaly

134, 82, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 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(186, 42, 213)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 42, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 42, 213) }
```

Border

The CSS property to change the border of an element to RYB 186, 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(186, 42, 213) }
```

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

```
.border{ border-color:rgb(186, 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(186, 42, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 42, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 42, 213);  
box-shadow:4px 4px 4px 4px rgb(186, 42,  
213) }
```

Background

The CSS property to change the background color of an element to RYB 186, 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(186, 42, 213) }
```

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

```
.background{ background-color: rgb(186, 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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