

Converting Colors

`RYB(186, 127, 215)`

Have a look what the booklet for RYB(186, 127, 215) contains.

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Color

R_YB(186, 127, 215)

Conversions

Conversions Part 1

Format	Color
Hex	BA7FD7
RGB	186, 127, 215
RGB Percent	73%, 50%, 84%
CMY	0.2706, 0.5020, 0.1569
CMYK	0.13, 0.41, 0.00, 0.16
HSL	280°, 52%, 67%
HSV	280°, 41%, 84%
XYZ	40.1048, 30.5241, 68.0680
YIQ	154.6730, 6.9160, 39.8760

Conversions

Conversions Part 2

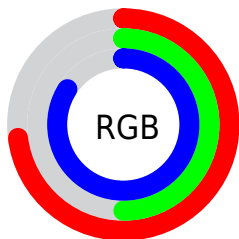
Format	Color
R_{YB}	186, 127, 215
Decimal	12222423
CIE _{Lab}	62.10, 38.37, -36.35
CIE _{LCh}	62, 52.852, 316.547
Yxy	30.5241, 0.2892, 0.2201
Android (android.graphics.Color)	4290412503 (0xFFBA7FD7)
YUV	154.6730, 29.7412, 27.4738
Hunter-Lab	55.2487, 32.8874, -34.3730

Details

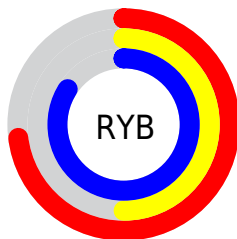
The RYB color **186, 127, 215** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **127, 215, 186**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **243, 181, 255**, and **131, 76, 160** is the 20% darker color. If you saturate the color by 10%, you get **179, 106, 215**, and if you desaturate by 10%, it is **193, 149, 215**.

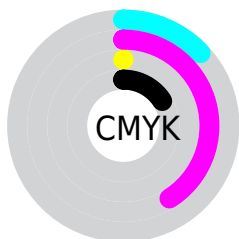
Distribution



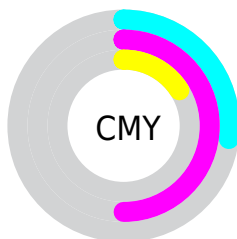
- Red (73%)
- Green (50%)
- Blue (84%)



- Red (73%)
- Yellow (50%)
- Blue (84%)



- Cyan (13%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 127, 215 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, 127, 215 by changing the saturation by 10% instead.

 186, 127, 215


255, 255, 255


 243, 181, 255


 255, 209, 255

 255, 237, 255

 186, 127, 215

 158, 101, 187

 131, 76, 160

 105, 52, 133

 79, 27, 108

 54, 1, 83

 32, 0, 60


 0, 0, 37


 0, 1, 13

 0, 0, 0


 186, 127, 215

 186, 127, 215

 179, 106, 215

 193, 149, 215

 172, 84, 215


 200, 170, 215

 165, 62, 215

 207, 192, 215

 158, 41, 215

 214, 213, 215

 151, 20, 215

 215, 235, 229

 144, 0, 215

 215, 255, 241

 215, 255, 234

 215, 255, 227

 215, 255, 220

Harmonies

Analogous

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



115, 140, 240



186, 127, 215



225, 111, 173

Triad

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



186, 127, 215



143, 194, 55



0, 87, 175

Complementary

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



186, 127, 215



127, 215, 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, 99, 172



186, 127, 215



54, 156, 59

Square

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



186, 127, 215



224, 136, 84



83, 166, 152



0, 95, 217

Rectangle

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



186, 127, 215



236, 108, 142



83, 166, 152



0, 90, 173

Sweetspot

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



186, 127, 215



245, 224, 255



127, 149, 215



122, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



186, 127, 215



214, 130, 255



215, 127, 200



104, 96, 107



115, 0, 171



29, 0, 43

Inverse Universe

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



215, 127, 156



255, 130, 171



127, 202, 215



107, 96, 100



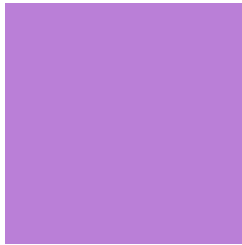
171, 0, 56



43, 0, 14

Previews

White Background



This preview shows how the RYB color 186, 127, 215 looks on a white background.

Color Contrast Check

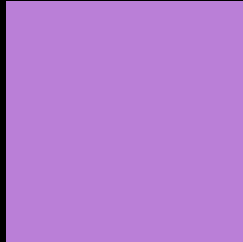
Large Text (above 18pt) WCAG AA × Fail

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 186, 127, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

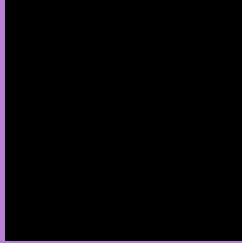
Any Text WCAG AA ✓ Pass

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 186, 127, 215 Background



This preview shows how black text looks on a background with the RYB color 186, 127, 215.

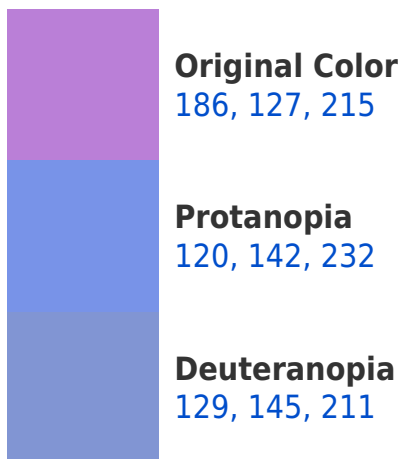



This preview shows how white text looks on a background with the RYB color 186, 127, 215.

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
176, 141, 152

Trichromacy



Original Color
186, 127, 215



Protanomaly
144, 140, 226



Deuteranomaly
150, 141, 212



Tritanomaly
180, 136, 175

Monochromacy



Original Color
186, 127, 215



Achromatopsia
155, 155, 155



Achromatomaly
166, 145, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 127, 215 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, 127, 215)` looks like.

```
.text, #text, p{  
    color:rgb(186, 127, 215)  
}
```

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, 127, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 127, 215) }
```

Border

The CSS property to change the border of an element to RYB 186, 127, 215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

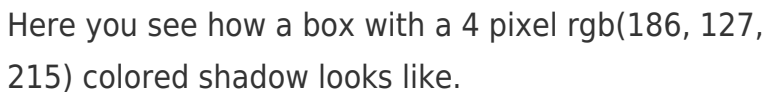
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 127, 215) }
```

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

```
.border{ border-color:rgb(186, 127, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 127, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 127, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 127, 215); box-shadow:4px 4px 4px 4px rgb(186, 127, 215) }
```

Background

The CSS property to change the background color of an element to RYB 186, 127, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 127, 215) }
```

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

```
.background{ background-color: rgb(186,  
127, 215) }
```

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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