

Converting Colors

`RYB(200, 127, 175)`

Have a look what the booklet for
RYB(200, 127, 175) contains.

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Color

R_YB(200, 127, 175)

Conversions

Conversions Part 1

Format	Color
Hex	C87FAF
RGB	200, 127, 175
RGB Percent	78%, 50%, 69%
CMY	0.2157, 0.5020, 0.3137
CMYK	0.00, 0.36, 0.12, 0.22
HSL	321°, 40%, 64%
HSV	321°, 36%, 78%
XYZ	39.1467, 30.5532, 44.3916
YIQ	154.2990, 28.1000, 30.4040

Conversions

Conversions Part 2

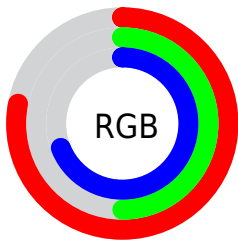
Format	Color
R_{YB}	200, 127, 175
Decimal	13139887
CIE _{Lab}	62.13, 35.25, -13.60
CIE _{LCh}	62, 37.780, 338.908
Yxy	30.5532, 0.3431, 0.2678
Android (android.graphics.Color)	4291329967 (0xFFC87FAF)
YUV	154.2990, 10.2056, 40.0798
Hunter-Lab	55.2750, 29.6854, -8.9235

Details

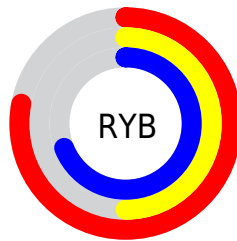
The RYB color **200, 127, 175** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **127, 181, 200**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **255, 181, 231**, and **145, 76, 122** is the 20% darker color. If you saturate the color by 10%, you get **200, 107, 168**, and if you desaturate by 10%, it is **200, 147, 182**.

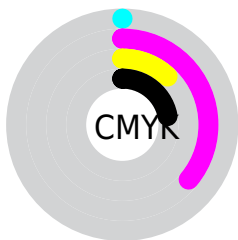
Distribution



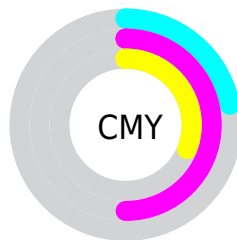
- Red (78%)
- Green (50%)
- Blue (69%)



- Red (78%)
- Yellow (50%)
- Blue (69%)



- Cyan (0%)
- Magenta (36%)
- Yellow (12%)
- Black (22%)





- Cyan (22%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the RYB color 200, 127, 175 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 200, 127, 175 by changing the saturation by 10% instead.


 200, 127, 175

 200, 127, 175


255, 255, 255

 172, 101, 148

 255, 181, 231

 145, 76, 122

 255, 209, 255

 118, 52, 98

 255, 237, 255

 92, 27, 74


 67, 0, 51

 45, 0, 30

 3, 0, 0


 0, 0, 0


 200, 127, 175


 200, 127, 175


 200, 107, 168


 200, 147, 182

 200, 87, 161


 200, 167, 189

 200, 67, 154

 200, 187, 196

 200, 47, 148

 200, 205, 207

 200, 27, 141

 200, 220, 227

 200, 7, 134

 200, 235, 247

 200, 0, 132

 200, 239, 255

 200, 236, 255

 200, 233, 255

Harmonies

Analogous

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



167, 138, 202



200, 127, 175



214, 123, 141

Triad

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



200, 127, 175



96, 162, 83



0, 89, 191

Complementary

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



200, 127, 175



127, 181, 200

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.



11, 92, 168



200, 127, 175



97, 160, 131

Square

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



200, 127, 175



189, 191, 88



82, 138, 166



47, 114, 212

Rectangle

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



200, 127, 175



214, 126, 120



82, 138, 166



0, 87, 181

Sweetspot

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



200, 127, 175



255, 227, 245



151, 127, 200



128, 111, 122



0, 0, 0



128, 128, 128

Same Dimension

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



200, 127, 175



255, 143, 217



200, 127, 139



99, 90, 96



163, 0, 107



36, 0, 23

Inverse Universe

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



200, 127, 175



255, 143, 217



127, 167, 200



99, 90, 96



163, 0, 107



36, 0, 23

Previews

White Background



This preview shows how the RYB color 200, 127, 175 looks on a white background.

Color Contrast Check

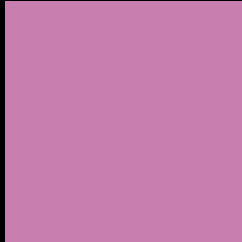
Large Text (above 18pt) WCAG AA × Fail

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 200, 127, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

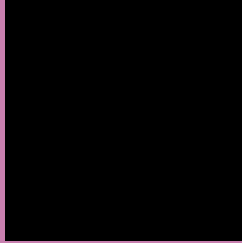
Any Text WCAG AA ✓ Pass

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 200, 127, 175 Background



This preview shows how black text looks on a background with the RYB color 200, 127, 175.

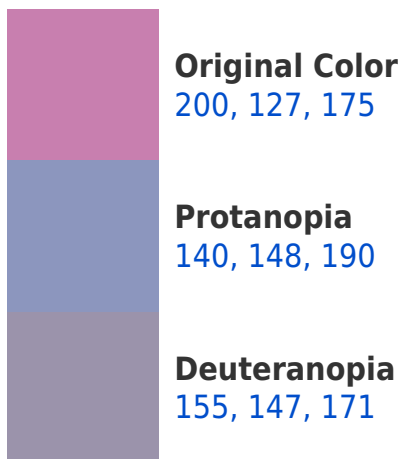



This preview shows how white text looks on a background with the RYB color 200, 127, 175.

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
196, 133, 143

Trichromacy



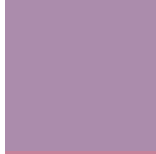
Original Color

200, 127, 175



Protanomaly

162, 141, 185



Deuteranomaly

171, 140, 172



Tritanomaly

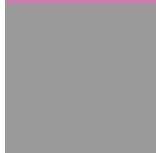
197, 131, 155

Monochromacy



Original Color

200, 127, 175



Achromatopsia

154, 154, 154



Achromatomaly

171, 144, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 127, 175 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(200, 127, 175) looks like.

```
.text, #text, p{  
    color:rgb(200, 127, 175)  
}
```

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(200, 127, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 127, 175) }
```

Border

The CSS property to change the border of an element to RYB 200, 127, 175 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(200, 127, 175) }
```

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

```
.border{ border-color:rgb(200, 127, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 127, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 127, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 127, 175);  
box-shadow:4px 4px 4px 4px rgb(200, 127,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 200, 127, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 127, 175) }
```

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

```
.background{ background-color: rgb(200,  
127, 175) }
```

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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