

Converting Colors

`RYB(187, 124, 233)`

Have a look what the booklet for
RYB(187, 124, 233) contains.

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Color

R_YB(187, 124, 233)

Conversions

Conversions Part 1

Format	Color
Hex	BB7CE9
RGB	187, 124, 233
RGB Percent	73%, 49%, 91%
CMY	0.2667, 0.5137, 0.0863
CMYK	0.20, 0.47, 0.00, 0.09
HSL	275°, 71%, 70%
HSV	275°, 47%, 91%
XYZ	42.4091, 30.8633, 80.8128
YIQ	155.2630, 2.5590, 47.2550

Conversions

Conversions Part 2

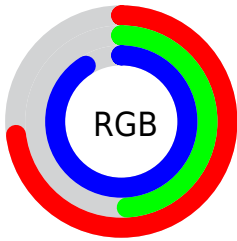
Format	Color
RYB	187, 124, 233
Decimal	12287209
CIELab	62.39, 44.17, -45.92
CIELCh	62, 63.719, 313.889
Yxy	30.8633, 0.2752, 0.2003
Android (android.graphics.Color)	4290477289 (0xFFBB7CE9)
YUV	155.2630, 38.3243, 27.8333
Hunter-Lab	55.5547, 39.0418, -47.3580

Details

The RYB color **187, 124, 233** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **124, 233, 187**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **245, 178, 255**, and **131, 73, 177** is the 20% darker color. If you saturate the color by 10%, you get **177, 101, 233**, and if you desaturate by 10%, it is **197, 147, 233**.

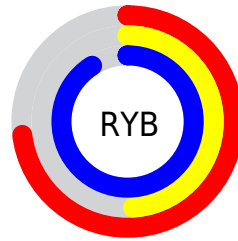
Distribution



Red (73%)

Green (49%)

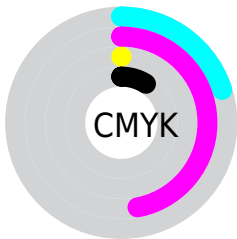
Blue (91%)



Red (73%)

Yellow (49%)

Blue (91%)

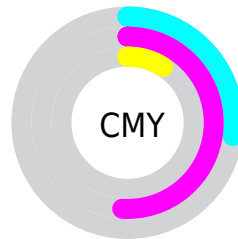


Cyan (20%)

Magenta (47%)

Yellow (0%)

Black (9%)



Cyan (27%)


Magenta (51%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 124, 233 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 187, 124, 233 by changing the saturation by 10% instead.


 187, 124, 233

 187, 124, 233

255, 255, 255

 159, 98, 205

 245, 178, 255


 131, 73, 177

 255, 206, 255

 104, 48, 150

 255, 234, 255

 78, 22, 123


 51, 0, 98

 26, 0, 74

 0, 0, 50

 0, 1, 28

 0, 0, 0

 187, 124, 233


 187, 124, 233


 177, 101, 233


 197, 147, 233

 167, 77, 233

 207, 171, 233

 158, 54, 233

 216, 194, 233

 148, 31, 233

 226, 217, 233

 138, 8, 233

 233, 241, 238

 135, 0, 233

 233, 255, 242

 233, 255, 233

Harmonies

Analogous

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



86, 131, 255



187, 124, 233



237, 101, 184

Triad

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



187, 124, 233



142, 204, 32



0, 90, 178

Complementary

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



187, 124, 233



124, 233, 187

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, 106, 176



187, 124, 233



22, 156, 23

Square

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



187, 124, 233



240, 125, 74



63, 169, 142



0, 99, 228

Rectangle

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



187, 124, 233



251, 95, 146



63, 169, 142



0, 94, 177

Sweetspot

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



187, 124, 233



240, 219, 255



124, 157, 233



118, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



187, 124, 233



195, 112, 255



233, 124, 226



112, 106, 117



105, 0, 181



31, 0, 54

Inverse Universe

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



233, 124, 170



255, 112, 172



124, 226, 233



117, 106, 111



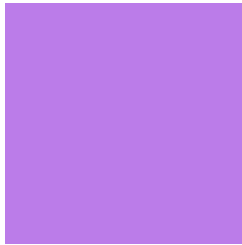
181, 0, 76



54, 0, 23

Previews

White Background



This preview shows how the RYB color 187, 124, 233 looks on a white background.

Color Contrast Check

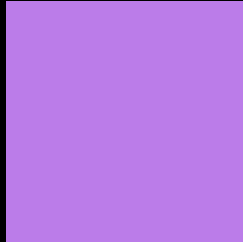
Large Text (above 18pt) WCAG AA × Fail

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 187, 124, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

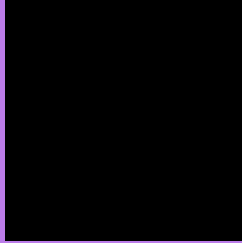
Any Text WCAG AA ✓ Pass

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 187, 124, 233 Background



This preview shows how black text looks on a background with the RYB color 187, 124, 233.

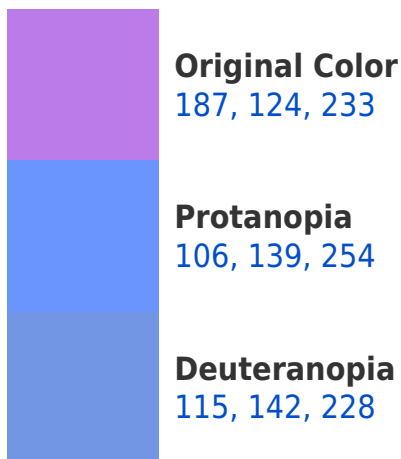



This preview shows how white text looks on a background with the RYB color 187, 124, 233.

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
174, 142, 154

Trichromacy



Original Color

187, 124, 233



Protanomaly

135, 139, 246



Deuteranomaly

141, 141, 230



Tritanomaly

179, 135, 183

Monochromacy



Original Color

187, 124, 233



Achromatopsia

155, 155, 155



Achromatomaly

167, 144, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 124, 233 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(187, 124, 233)` looks like.

```
.text, #text, p{  
  color:rgb(187, 124, 233)  
}
```

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(187, 124, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 124, 233) }
```

Border

The CSS property to change the border of an element to RYB 187, 124, 233 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(187, 124, 233) }
```

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

```
.border{ border-color:rgb(187, 124, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 124, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 124, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 124, 233);  
box-shadow:4px 4px 4px 4px rgb(187, 124,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 187, 124, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 124, 233) }
```

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

```
.background{ background-color: rgb(187,  
124, 233) }
```

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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