

Converting Colors

`RYB(187, 140, 255)`

Have a look what the booklet for
RYB(187, 140, 255) contains.

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Color

R_YB(187, 140, 255)

Conversions

Conversions Part 1

Format	Color
Hex	BB8CFF
RGB	187, 140, 255
RGB Percent	73%, 55%, 100%
CMY	0.2667, 0.4510, 0.0000
CMYK	0.27, 0.45, 0.00, 0.00
HSL	265°, 100%, 77%
HSV	265°, 45%, 100%
XYZ	47.9216, 36.5410, 99.1351
YIQ	167.1630, -8.9030, 45.7290

Conversions

Conversions Part 2

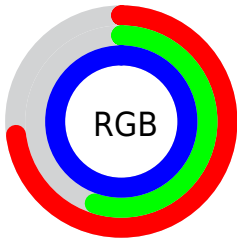
Format	Color
R _Y B	187, 140, 255
Decimal	12291327
CIE Lab	66.93, 40.49, -50.86
CIE LCh	67, 65.010, 308.526
Yxy	36.5410, 0.2610, 0.1990
Android (android.graphics.Color)	4290481407 (0xFFBB8CFF)
YUV	167.1630, 43.3036, 17.3970
Hunter-Lab	60.4491, 35.7216, -54.9198

Details

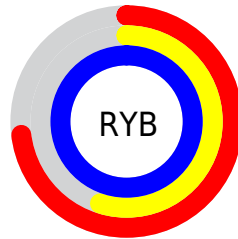
The RYB color **187, 140, 255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **140, 255, 187**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **245, 194, 255**, and **131, 89, 198** is the 20% darker color. If you saturate the color by 10%, you get **172, 115, 255**, and if you desaturate by 10%, it is **202, 166, 255**.

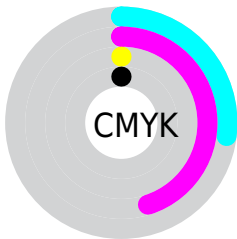
Distribution



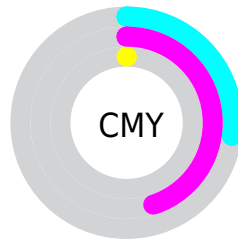
- Red (73%)
- Green (55%)
- Blue (100%)



- Red (73%)
- Yellow (55%)
- Blue (100%)



- Cyan (27%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RYB color 187, 140, 255 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, 140, 255 by changing the saturation by 10% instead.


 187, 140, 255

 187, 140, 255


255, 255, 255

 159, 114, 226

 245, 194, 255

 131, 89, 198


 255, 223, 255

 103, 64, 170

 255, 251, 255

 76, 40, 143


 48, 16, 117

 15, 0, 92


 0, 0, 67


 0, 3, 44

 0, 1, 22


 187, 140, 255


 187, 140, 255

 172, 115, 255

 202, 166, 255

 157, 89, 255

 217, 191, 255

 142, 64, 255

 232, 217, 255

 127, 38, 255

 247, 242, 255

 112, 13, 255

255, 255, 255

 104, 0, 255

Harmonies

Analogous

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



65, 130, 255



187, 140, 255



246, 116, 207

Triad

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



187, 140, 255



203, 227, 48



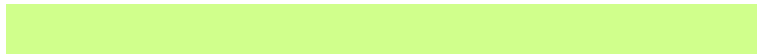
0, 99, 191

Complementary

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



187, 140, 255



140, 255, 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, 116, 188



187, 140, 255



44, 177, 31

Square

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



187, 140, 255



255, 127, 93



64, 180, 129



0, 105, 234

Rectangle

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



187, 140, 255



255, 107, 168



64, 180, 129



0, 104, 190

Sweetspot

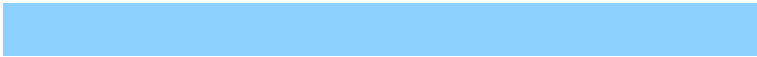
The Sweet Spot groups the original color and five complimentary colors.



187, 140, 255



234, 219, 255



140, 183, 255



115, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



187, 140, 255



174, 117, 255



244, 140, 255



120, 115, 128



78, 0, 191



26, 0, 64

Inverse Universe

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



255, 140, 208



255, 117, 199



140, 255, 243



128, 115, 122



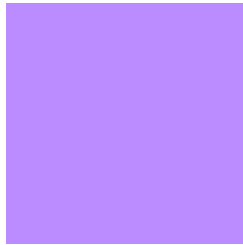
191, 0, 113



64, 0, 38

Previews

White Background



This preview shows how the RYB color 187, 140, 255 looks on a white background.

Color Contrast Check

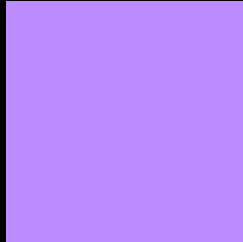
Large Text (above 18pt) WCAG AA × Fail

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, 140, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

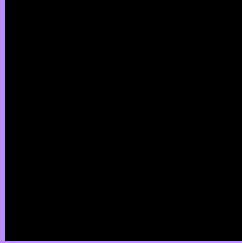
Any Text WCAG AA ✓ Pass

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, 140, 255 Background



This preview shows how black text looks on a background with the RYB color 187, 140, 255.



This preview shows how white text looks on a background with the RYB color 187, 140, 255.

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
172, 159, 171

Trichromacy



Original Color

187, 140, 255



Protanomaly

149, 153, 255



Deuteranomaly

144, 154, 252



Tritanomaly

177, 152, 202

Monochromacy



Original Color

187, 140, 255



Achromatopsia

167, 167, 167



Achromatomaly

174, 157, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 140, 255 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, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 140, 255)  
}
```

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, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 140, 255) }
```

Border

The CSS property to change the border of an element to RYB 187, 140, 255 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, 140, 255) }
```

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

```
.border{ border-color:rgb(187, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 140,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 187, 140, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 140, 255) }
```

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

```
.background{ background-color: rgb(187,  
140, 255) }
```

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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