

Converting Colors

`RYB(186, 92, 230)`

Have a look what the booklet for
RYB(186, 92, 230) contains.

RYB(186, 92, 230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(186, 92, 230)

Conversions

Conversions Part 1

Format	Color
Hex	BA5CE6
RGB	186, 92, 230
RGB Percent	73%, 36%, 90%
CMY	0.2706, 0.6392, 0.0980
CMYK	0.19, 0.60, 0.00, 0.10
HSL	281°, 73%, 63%
HSV	281°, 60%, 90%
XYZ	38.3598, 23.8066, 77.4363
YIQ	135.8380, 11.7260, 62.8460

Conversions

Conversions Part 2

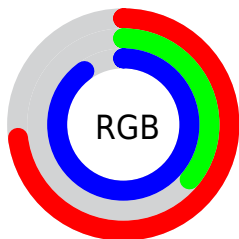
Format	Color
RYB	186, 92, 230
Decimal	12213478
CIELab	55.89, 59.62, -54.57
CIELCh	56, 80.818, 317.531
Yxy	23.8066, 0.2748, 0.1705
Android (android.graphics.Color)	4290403558 (0xFFBA5CE6)
YUV	135.8380, 46.4219, 43.9921
Hunter-Lab	48.7920, 54.9490, -59.9430

Details

The RYB color **186, 92, 230** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **92, 230, 186**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **245, 147, 255**, and **129, 36, 174** is the 20% darker color. If you saturate the color by 10%, you get **179, 69, 230**, and if you desaturate by 10%, it is **193, 115, 230**.

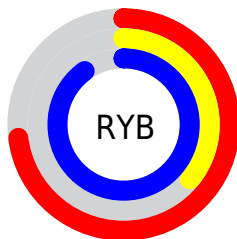
Distribution



Red (73%)

Green (36%)

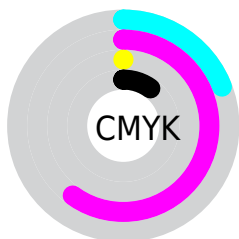
Blue (90%)



Red (73%)

Yellow (36%)

Blue (90%)

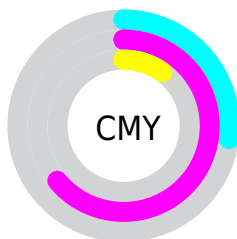


Cyan (19%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (27%)

















Magenta (64%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the RYB color 186, 92, 230 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, 92, 230 by changing the saturation by 10% instead.


 186, 92, 230	 186, 92, 230
 255, 255, 255	 157, 65, 201
 245, 147, 255	 129, 36, 174
 255, 174, 255	 101, 0, 146
 255, 203, 255	 73, 0, 120
 255, 232, 255	 45, 0, 95
	 15, 0, 70
	 0, 4, 46
	 0, 1, 25
	 0, 0, 0


 186, 92, 230

 186, 92, 230

 179, 69, 230

 193, 115, 230


 171, 46, 230

 201, 138, 230

 164, 23, 230

 208, 161, 230

 157, 0, 230

 215, 184, 230

 223, 207, 230

 230, 230, 230

 230, 253, 246

 230, 255, 240

 230, 255, 233

Harmonies

Analogous

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



9, 89, 255



186, 92, 230



242, 48, 166

Triad

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



186, 92, 230



102, 186, 0



0, 85, 175

Complementary

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



186, 92, 230



92, 230, 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, 100, 162



186, 92, 230



0, 143, 19

Square

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



186, 92, 230



232, 109, 26



0, 140, 156



0, 96, 237

Rectangle

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



186, 92, 230



255, 36, 119



0, 140, 156



0, 86, 164

Sweetspot

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



186, 92, 230



240, 209, 255



92, 127, 230



119, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



186, 92, 230



196, 71, 255



230, 92, 207



111, 103, 115



122, 0, 179



35, 0, 51

Inverse Universe

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



230, 92, 136



255, 71, 130



92, 210, 230



115, 103, 107



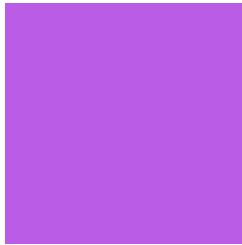
179, 0, 57



51, 0, 16

Previews

White Background



This preview shows how the RYB color 186, 92, 230 looks on a white background.

Color Contrast Check

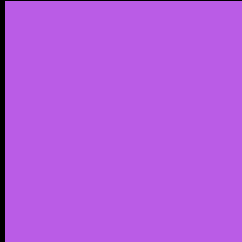
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 186, 92, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

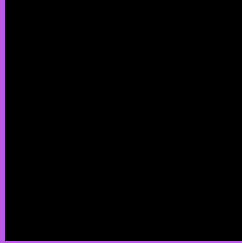
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 186, 92, 230 Background



This preview shows how black text looks on a background with the RYB color 186, 92, 230.

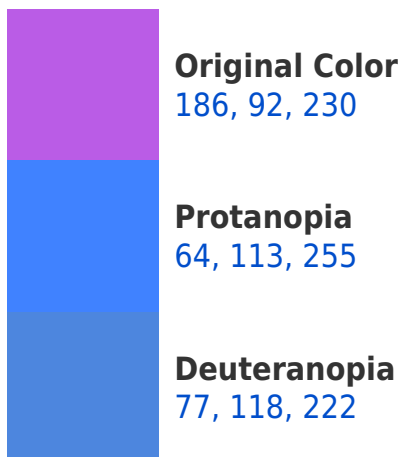



This preview shows how white text looks on a background with the RYB color 186, 92, 230.

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, 120, 129

Trichromacy



Original Color
186, 92, 230



Protanomaly
108, 116, 246



Deuteranomaly
117, 119, 225



Tritanomaly
176, 110, 166

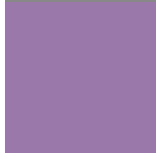
Monochromacy



Original Color
186, 92, 230



Achromatopsia
136, 136, 136



Achromatomaly
154, 120, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 92, 230 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, 92, 230)` looks like.

```
.text, #text, p{  
    color:rgb(186, 92, 230)  
}
```

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, 92, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 92, 230) }
```

Border

The CSS property to change the border of an element to RYB 186, 92, 230 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, 92, 230) }
```

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

```
.border{ border-color:rgb(186, 92, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 92, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 92, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 92, 230);  
box-shadow:4px 4px 4px 4px rgb(186, 92,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 186, 92, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 92, 230) }
```

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

```
.background{ background-color: rgb(186, 92,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor