

Converting Colors

`RYB(185, 116, 238)`

Have a look what the booklet for
RYB(185, 116, 238) contains.

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Color

R_YB(185, 116, 238)

Conversions

Conversions Part 1

Format	Color
Hex	B974EE
RGB	185, 116, 238
RGB Percent	73%, 45%, 93%
CMY	0.2745, 0.5451, 0.0667
CMYK	0.22, 0.51, 0.00, 0.07
HSL	274°, 78%, 69%
HSV	274°, 51%, 93%
XYZ	41.6856, 28.9781, 84.2852
YIQ	150.5390, 1.9620, 52.5700

Conversions

Conversions Part 2

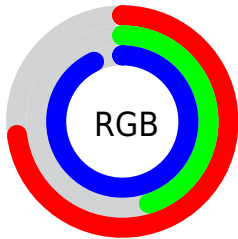
Format	Color
R_{YB}	185, 116, 238
Decimal	12154094
CIE _{Lab}	60.76, 49.01, -51.29
CIE _{LCh}	61, 70.942, 313.701
Yxy	28.9781, 0.2690, 0.1870
Android (android.graphics.Color)	4290344174 (0xFFB974EE)
YUV	150.5390, 43.1183, 30.2223
Hunter-Lab	53.8313, 44.0210, -55.1501

Details

The RYB color **185, 116, 238** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **116, 238, 185**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **243, 170, 255**, and **129, 64, 181** is the 20% darker color. If you saturate the color by 10%, you get **175, 92, 238**, and if you desaturate by 10%, it is **195, 140, 238**.

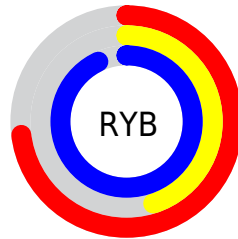
Distribution



Red (73%)

Green (45%)

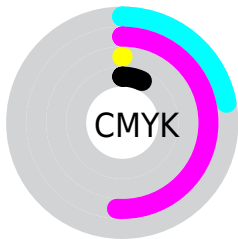
Blue (93%)



Red (73%)

Yellow (45%)

Blue (93%)

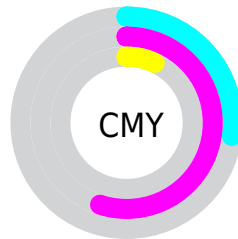


Cyan (22%)

Magenta (51%)

Yellow (0%)

Black (7%)



Cyan (27%)


Magenta (55%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 185, 116, 238 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 185, 116, 238 by changing the saturation by 10% instead.

 185, 116, 238

255, 255, 255

 243, 170, 255


 255, 198, 255

 255, 226, 255

 185, 116, 238


 157, 90, 209

 129, 64, 181

 101, 39, 154

 74, 8, 128


 46, 0, 102

 21, 0, 77

 0, 0, 53

 0, 2, 31

 0, 0, 2


 185, 116, 238

 185, 116, 238


 175, 92, 238

 195, 140, 238

 164, 68, 238

 206, 164, 238

 154, 45, 238

 216, 187, 238

 144, 21, 238

 226, 211, 238

 135, 0, 238

 237, 235, 238

 238, 255, 246

 238, 255, 238

Harmonies

Analogous

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



54, 116, 255



185, 116, 238



241, 87, 183

Triad

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



185, 116, 238



112, 203, 0



0, 88, 175

Complementary

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



185, 116, 238



116, 238, 185

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, 173



185, 116, 238



0, 153, 4

Square

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



185, 116, 238



242, 115, 62



46, 166, 137



0, 99, 232

Rectangle

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



185, 116, 238



255, 79, 141



46, 166, 137



0, 93, 175

Sweetspot

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



185, 116, 238



238, 217, 255



116, 154, 238



118, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



185, 116, 238



186, 97, 255



238, 116, 232



115, 108, 120



104, 0, 184



32, 0, 56

Inverse Universe

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



238, 116, 169



255, 97, 166



116, 232, 238



120, 108, 113



184, 0, 80



56, 0, 24

Previews

White Background



This preview shows how the RYB color 185, 116, 238 looks on a white background.

Color Contrast Check

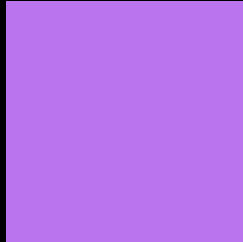
Large Text (above 18pt) WCAG AA ✓ Pass

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 185, 116, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

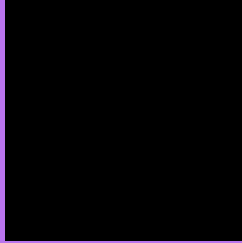
Any Text WCAG AA ✓ Pass

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 185, 116, 238 Background



This preview shows how black text looks on a background with the RYB color 185, 116, 238.

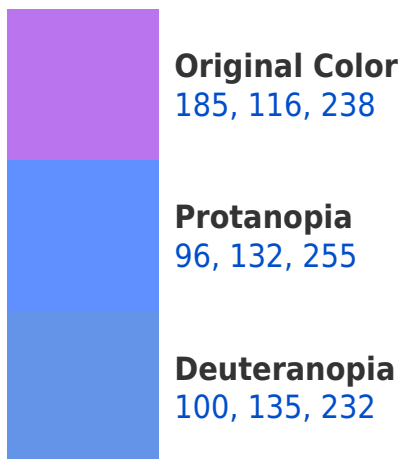


This preview shows how white text looks on a background with the RYB color 185, 116, 238.

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
170, 138, 149

Trichromacy



Original Color
185, 116, 238



Protanomaly
128, 133, 249



Deuteranomaly
131, 136, 234



Tritanomaly
175, 130, 181

Monochromacy



Original Color
185, 116, 238



Achromatopsia
151, 151, 151



Achromatomaly
163, 138, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 116, 238 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(185, 116, 238)` looks like.

```
.text, #text, p{  
    color:rgb(185, 116, 238)  
}
```

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(185, 116, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 116, 238) }
```

Border

The CSS property to change the border of an element to RYB 185, 116, 238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

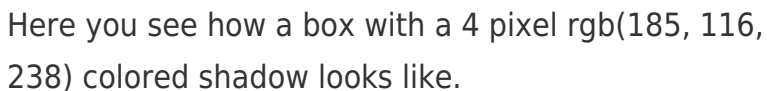
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 116, 238) }
```

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

```
.border{ border-color:rgb(185, 116, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 116, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 116, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 116, 238); box-shadow:4px 4px 4px 4px rgb(185, 116, 238) }
```

Background

The CSS property to change the background color of an element to RYB 185, 116, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 116, 238) }
```

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

```
.background{ background-color: rgb(185,  
116, 238) }
```

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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