

Converting Colors

`RYB(180, 146, 229)`

Have a look what the booklet for
RYB(180, 146, 229) contains.

RYB(180, 146, 229)	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(180, 146, 229)

Conversions

Conversions Part 1

Format	Color
Hex	B492E5
RGB	180, 146, 229
RGB Percent	71%, 57%, 90%
CMY	0.2941, 0.4275, 0.1020
CMYK	0.21, 0.36, 0.00, 0.10
HSL	265°, 61%, 74%
HSV	265°, 36%, 90%
XYZ	43.2441, 35.9182, 78.7824
YIQ	165.6280, -6.3790, 33.0210

Conversions

Conversions Part 2

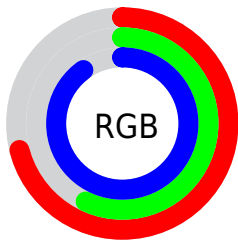
Format	Color
R_{YB}	180, 146, 229
Decimal	11834085
CIE _{Lab}	66.46, 29.14, -37.38
CIE _{LCh}	66, 47.400, 307.939
Yxy	35.9182, 0.2738, 0.2274
Android (android.graphics.Color)	4290024165 (0xFFB492E5)
YUV	165.6280, 31.2424, 12.6042
Hunter-Lab	59.9318, 23.9170, -35.9865

Details

The RYB color **180, 146, 229** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **146, 229, 180**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **237, 200, 255**, and **126, 95, 173** is the 20% darker color. If you saturate the color by 10%, you get **166, 123, 229**, and if you desaturate by 10%, it is **194, 169, 229**.

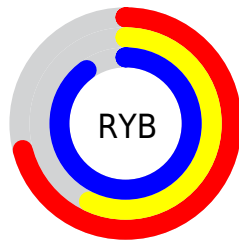
Distribution



Red (71%)

Green (57%)

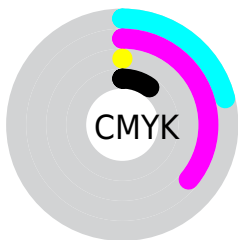
Blue (90%)



Red (71%)

Yellow (57%)

Blue (90%)

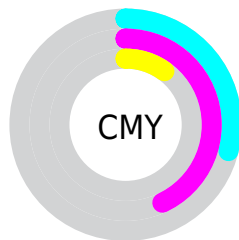


Cyan (21%)

Magenta (36%)

Yellow (0%)

Black (10%)



Cyan (29%)


Magenta (43%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 146, 229 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 180, 146, 229 by changing the saturation by 10% instead.


 180, 146, 229

255, 255, 255

 237, 200, 255

 255, 228, 255

 180, 146, 229

 152, 120, 201

 126, 95, 173


 99, 71, 146

 74, 48, 120

 49, 26, 95

 23, 4, 71

 0, 0, 48

 0, 1, 26

 0, 0, 0

■ 180, 146, 229

■ 180, 146, 229

■ 166, 123, 229

■ 194, 169, 229

■ 153, 100, 229

■ 207, 192, 229

■ 139, 77, 229

■ 221, 215, 229

■ 126, 54, 229

■ 229, 238, 233

■ 112, 31, 229

■ 229, 255, 236

■ 99, 9, 229

■ 229, 255, 229

■ 94, 0, 229

Harmonies

Analogous

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



111, 148, 246



180, 146, 229



223, 131, 195

Triad

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



180, 146, 229



211, 213, 82



0, 94, 183

Complementary

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



180, 146, 229



146, 229, 180

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.



70, 143, 181



180, 146, 229



89, 176, 74

Square

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



180, 146, 229



237, 138, 111



92, 174, 135



0, 98, 213

Rectangle

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



180, 146, 229



238, 126, 166



92, 174, 135



0, 98, 183

Sweetspot

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



180, 146, 229



238, 227, 255



146, 177, 229



118, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



180, 146, 229



190, 145, 255



221, 146, 229



108, 103, 115



73, 0, 179



21, 0, 51

Inverse Universe

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



229, 146, 195



255, 145, 210



146, 229, 221



115, 103, 110



179, 0, 105



51, 0, 30

Previews

White Background



This preview shows how the RYB color 180, 146, 229 looks on a white background.

Color Contrast Check

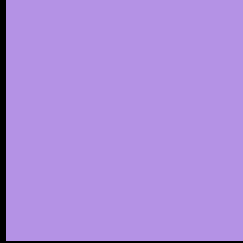
Large Text (above 18pt) WCAG AA × Fail

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 180, 146, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

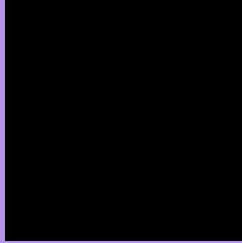
Any Text WCAG AA ✓ Pass

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 180, 146, 229 Background



This preview shows how black text looks on a background with the RYB color 180, 146, 229.



This preview shows how white text looks on a background with the RYB color 180, 146, 229.

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



Original Color
180, 146, 229

Protanopia
135, 155, 240

Deuteranopia
139, 156, 226



Tritanopia
170, 158, 170

Trichromacy



Original Color
180, 146, 229

Protanomaly
151, 154, 236

Deuteranomaly
154, 155, 227

Tritanomaly
174, 154, 191

Monochromacy



Original Color
180, 146, 229

Achromatopsia
166, 166, 166

Achromatomaly
171, 159, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 146, 229 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(180, 146, 229)` looks like.

```
.text, #text, p{  
    color:rgb(180, 146, 229)  
}
```

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(180, 146, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 146, 229) }
```

Border

The CSS property to change the border of an element to RYB 180, 146, 229 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(180, 146, 229) }
```

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

```
.border{ border-color:rgb(180, 146, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 146, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 146, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 146, 229);  
box-shadow:4px 4px 4px 4px rgb(180, 146,  
229) }
```

Background

The CSS property to change the background color of an element to RYB 180, 146, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 146, 229) }
```

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

```
.background{ background-color: rgb(180,  
146, 229) }
```

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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