

Converting Colors

`RYB(189, 115, 225)`

Have a look what the booklet for
RYB(189, 115, 225) contains.

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Color

R_YB(189, 115, 225)

Conversions

Conversions Part 1

Format	Color
Hex	BD73E1
RGB	189, 115, 225
RGB Percent	74%, 45%, 88%
CMY	0.2588, 0.5490, 0.1176
CMYK	0.16, 0.49, 0.00, 0.12
HSL	280°, 65%, 67%
HSV	280°, 49%, 88%
XYZ	40.7076, 28.5165, 74.5929
YIQ	149.6660, 8.7940, 49.8980

Conversions

Conversions Part 2

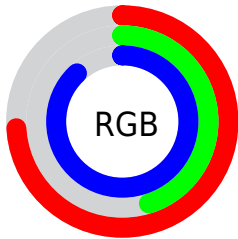
Format	Color
R _{YB}	189, 115, 225
Decimal	12415969
CIE _{Lab}	60.35, 47.79, -44.67
CIE _{LCh}	60, 65.411, 316.932
Y _{xy}	28.5165, 0.2831, 0.1983
Android (android.graphics.Color)	4290606049 (0xFFBD73E1)
YUV	149.6660, 37.1397, 34.4959
Hunter-Lab	53.4009, 42.6194, -45.4385

Details

The RYB color **189, 115, 225** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **115, 225, 189**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **247, 169, 255**, and **133, 63, 169** is the 20% darker color. If you saturate the color by 10%, you get **182, 93, 225**, and if you desaturate by 10%, it is **196, 138, 225**.

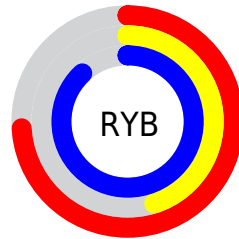
Distribution



Red (74%)

Green (45%)

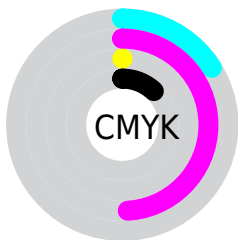
Blue (88%)



Red (74%)

Yellow (45%)

Blue (88%)

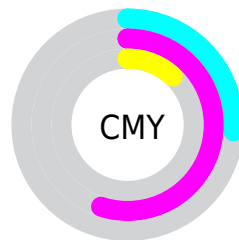


Cyan (16%)

Magenta (49%)

Yellow (0%)

Black (12%)



Cyan (26%)


Magenta (55%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the RYB color 189, 115, 225 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 189, 115, 225 by changing the saturation by 10% instead.

 189, 115, 225

 189, 115, 225

255, 255, 255

 161, 89, 197

 247, 169, 255

 133, 63, 169

 255, 197, 255


 106, 37, 142

 255, 225, 255

 80, 6, 116

255, 254, 255

 53, 0, 91

 31, 0, 67

 0, 0, 44

 0, 1, 22


 0, 0, 0

 189, 115, 225

 189, 115, 225


 182, 93, 225


 196, 138, 225

 174, 70, 225

 204, 160, 225

 167, 48, 225

 211, 183, 225

 160, 25, 225

 218, 205, 225

 152, 3, 225

 225, 227, 226

 151, 0, 225

 225, 250, 242

 225, 255, 239

 225, 255, 232

 225, 255, 225

Harmonies

Analogous

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



91, 129, 255



189, 115, 225



236, 92, 173

Triad

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



189, 115, 225



103, 194, 13



0, 87, 177

Complementary

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



189, 115, 225



115, 225, 189

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, 102, 171



189, 115, 225



6, 153, 16

Square

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



189, 115, 225



232, 127, 62



60, 165, 153



0, 97, 229

Rectangle

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



189, 115, 225



248, 87, 135



60, 165, 153



0, 90, 172

Sweetspot

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



189, 115, 225



242, 217, 255



115, 143, 225



120, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



189, 115, 225



206, 105, 255



225, 115, 207



109, 101, 112



118, 0, 176



33, 0, 48

Inverse Universe

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



225, 115, 151



255, 105, 154



115, 210, 225



112, 101, 105



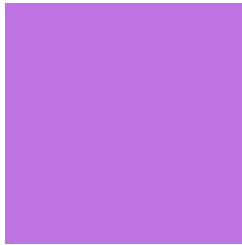
176, 0, 58



48, 0, 16

Previews

White Background



This preview shows how the RYB color 189, 115, 225 looks on a white background.

Color Contrast Check

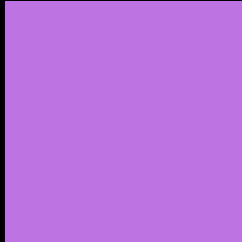
Large Text (above 18pt) WCAG AA ✓ Pass

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 189, 115, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

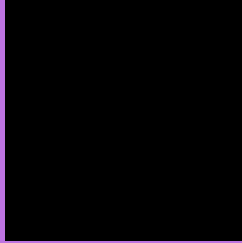
Any Text WCAG AA ✓ Pass

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 189, 115, 225 Background



This preview shows how black text looks on a background with the RYB color 189, 115, 225.

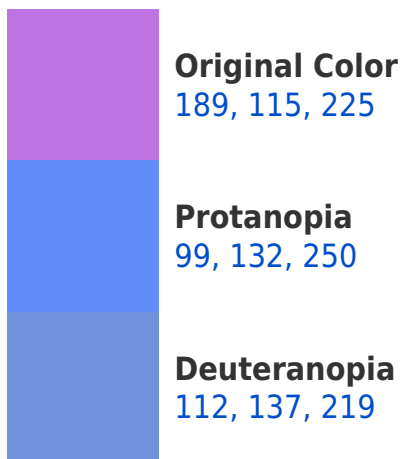



This preview shows how white text looks on a background with the RYB color 189, 115, 225.

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
177, 134, 145

Trichromacy



Original Color

189, 115, 225



Protanomaly

132, 132, 241



Deuteranomaly

140, 134, 221



Tritanomaly

181, 127, 174

Monochromacy



Original Color

189, 115, 225



Achromatopsia

150, 150, 150



Achromatomaly

164, 137, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 189, 115, 225 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(189, 115, 225)` looks like.

```
.text, #text, p{  
    color:rgb(189, 115, 225)  
}
```

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(189, 115, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 115, 225) }
```

Border

The CSS property to change the border of an element to RYB 189, 115, 225 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(189, 115, 225) }
```

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

```
.border{ border-color:rgb(189, 115, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 115, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 115, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 115, 225);  
box-shadow:4px 4px 4px 4px rgb(189, 115,  
225) }
```

Background

The CSS property to change the background color of an element to RYB 189, 115, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 115, 225) }
```

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

```
.background{ background-color: rgb(189,  
115, 225) }
```

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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