

Converting Colors

`RYB(205, 111, 232)`

Have a look what the booklet for
RYB(205, 111, 232) contains.

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Color

R_YB(205, 111, 232)

Conversions

Conversions Part 1

Format	Color
Hex	CD6FE8
RGB	205, 111, 232
RGB Percent	80%, 44%, 91%
CMY	0.1961, 0.5647, 0.0902
CMYK	0.12, 0.52, 0.00, 0.09
HSL	287°, 72%, 67%
HSV	287°, 52%, 91%
XYZ	45.4268, 30.1742, 79.7739
YIQ	152.9000, 17.1830, 57.5590

Conversions

Conversions Part 2

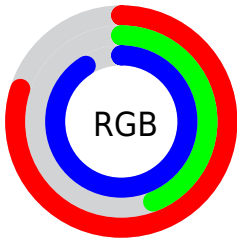
Format	Color
R _{YB}	205, 111, 232
Decimal	13463528
CIE _{Lab}	61.80, 55.56, -46.16
CIE _{LCh}	62, 72.232, 320.284
Yxy	30.1742, 0.2924, 0.1942
Android (android.graphics.Color)	4291653608 (0xFFCD6FE8)
YUV	152.9000, 38.9963, 45.6917
Hunter-Lab	54.9311, 51.4862, -47.6524

Details

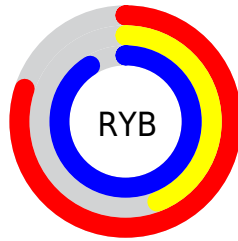
The RYB color **205, 111, 232** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **111, 232, 205**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **255, 166, 255**, and **148, 57, 176** is the 20% darker color. If you saturate the color by 10%, you get **200, 88, 232**, and if you desaturate by 10%, it is **210, 134, 232**.

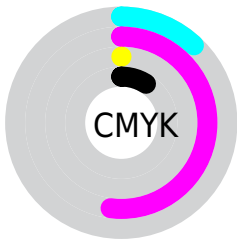
Distribution



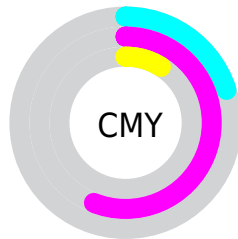
- Red (80%)
- Green (44%)
- Blue (91%)



- Red (80%)
- Yellow (44%)
- Blue (91%)



- Cyan (12%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (56%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 111, 232 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 205, 111, 232 by changing the saturation by 10% instead.


 205, 111, 232

 205, 111, 232


255, 255, 255

 176, 84, 204

 255, 166, 255

 148, 57, 176

 255, 194, 255

 120, 28, 149

 255, 223, 255

 93, 0, 122

 255, 252, 255

 66, 0, 97

 42, 0, 73

 5, 0, 49


 0, 1, 27


 0, 0, 0

 205, 111, 232


 205, 111, 232


 200, 88, 232

 210, 134, 232

 195, 65, 232

 215, 157, 232


 189, 41, 232

 221, 181, 232

 184, 18, 232

 226, 204, 232

 180, 0, 232

 231, 227, 232

 232, 250, 246

 232, 255, 246

 232, 255, 241

 232, 255, 235

Harmonies

Analogous

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



101, 133, 255



205, 111, 232



253, 84, 173

Triad

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



205, 111, 232



80, 196, 0



0, 92, 192

Complementary

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



205, 111, 232



111, 232, 205

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, 103, 177



205, 111, 232



0, 159, 21

Square

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



205, 111, 232



240, 140, 50



48, 160, 171



0, 102, 247

Rectangle

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



205, 111, 232



255, 81, 130



48, 160, 171



0, 91, 178

Sweetspot

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



205, 111, 232



246, 214, 255



111, 134, 232



122, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



205, 111, 232



219, 94, 255



232, 111, 200



112, 103, 115



139, 0, 179



40, 0, 51

Inverse Universe

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



232, 111, 138



255, 94, 130



111, 207, 232



115, 103, 106



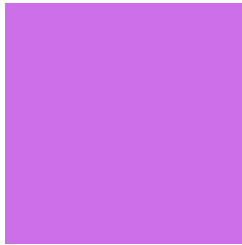
179, 0, 40



51, 0, 11

Previews

White Background



This preview shows how the RYB color 205, 111, 232 looks on a white background.

Color Contrast Check

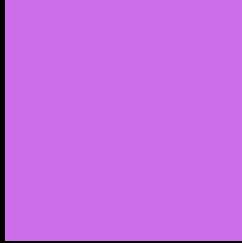
Large Text (above 18pt) WCAG AA × Fail

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 205, 111, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

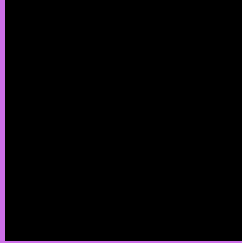
Any Text WCAG AA ✓ Pass

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 205, 111, 232 Background



This preview shows how black text looks on a background with the RYB color 205, 111, 232.

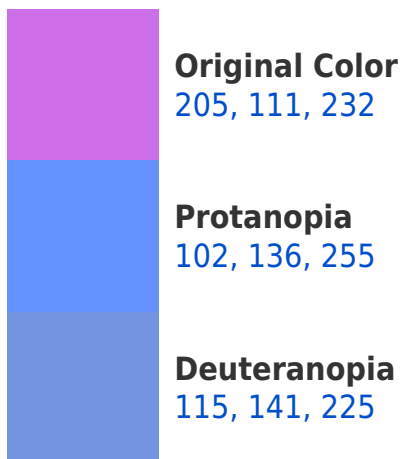



This preview shows how white text looks on a background with the RYB color 205, 111, 232.

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

192, 133, 143

Trichromacy



Original Color

205, 111, 232



Protanomaly

139, 133, 247



Deuteranomaly

148, 135, 228



Tritanomaly

197, 125, 175

Monochromacy



Original Color

205, 111, 232



Achromatopsia

153, 153, 153



Achromatomaly

172, 138, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 111, 232 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(205, 111, 232)` looks like.

```
.text, #text, p{  
    color:rgb(205, 111, 232)  
}
```

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(205, 111, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 111, 232) }
```

Border

The CSS property to change the border of an element to RYB 205, 111, 232 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(205, 111, 232) }
```

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

```
.border{ border-color:rgb(205, 111, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 111, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 111, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 111, 232);  
box-shadow:4px 4px 4px 4px rgb(205, 111,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 205, 111, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 111, 232) }
```

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

```
.background{ background-color: rgb(205,  
111, 232) }
```

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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