

Converting Colors

`RYB(133, 124, 215)`

Have a look what the booklet for
RYB(133, 124, 215) contains.

RYB(133, 124, 215)	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

$\text{RYB}(133, 124, 215)$

Conversions

Conversions Part 1

Format	Color
Hex	857CD7
RGB	133, 124, 215
RGB Percent	52%, 49%, 84%
CMY	0.4784, 0.5137, 0.1569
CMYK	0.38, 0.42, 0.00, 0.16
HSL	246°, 53%, 66%
HSV	246°, 42%, 84%
XYZ	29.1463, 24.3081, 67.4457
YIQ	137.0650, -23.8470, 30.2090

Conversions

Conversions Part 2

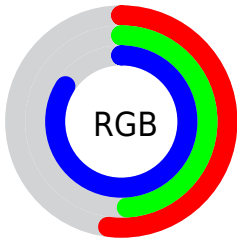
Format	Color
R _Y B	133, 124, 215
Decimal	8748247
CIE Lab	56.40, 25.12, -45.67
CIE LCh	56, 52.124, 298.817
Yxy	24.3081, 0.2411, 0.2011
Android (android.graphics.Color)	4286938327 (0xFF857CD7)
YUV	137.0650, 38.4220, -3.5650
Hunter-Lab	49.3033, 19.2418, -46.5950

Details

The RYB color **133, 124, 215** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **124, 215, 133**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **189, 177, 255**, and **78, 75, 160** is the 20% darker color. If you saturate the color by 10%, you get **114, 102, 215**, and if you desaturate by 10%, it is **152, 146, 215**.

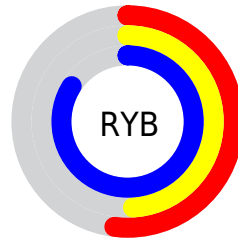
Distribution



Red (52%)

Green (49%)

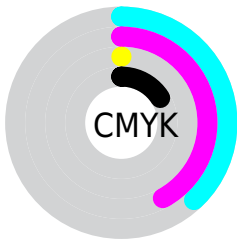
Blue (84%)



Red (52%)

Yellow (49%)

Blue (84%)

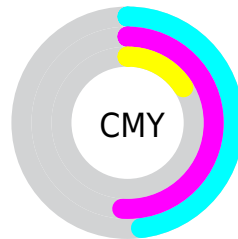


Cyan (38%)

Magenta (42%)

Yellow (0%)

Black (16%)



Cyan (48%)

Magenta (51%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 124, 215 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 133, 124, 215 by changing the saturation by 10% instead.


 133, 124, 215

255, 255, 255

 189, 177, 255

 218, 204, 255

 247, 232, 255


 133, 124, 215

 106, 99, 187

 78, 75, 160

 51, 52, 133

 17, 29, 107

 0, 10, 83

 0, 0, 59

 0, 2, 36

 0, 0, 12

 0, 0, 0

■ 133, 124, 215

■ 133, 124, 215

■ 114, 102, 215

■ 152, 146, 215

■ 94, 81, 215

■ 172, 167, 215

■ 75, 59, 215

■ 191, 189, 215

■ 56, 38, 215

■ 210, 210, 215

■ 36, 16, 215

■ 215, 232, 217

■ 21, 0, 215

■ 215, 253, 219

■ 215, 255, 215

Harmonies

Analogous

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



0, 87, 226



133, 124, 215



189, 105, 183

Triad

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



133, 124, 215



196, 157, 57



0, 85, 157

Complementary

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



133, 124, 215



124, 215, 133

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.



52, 128, 153



133, 124, 215



75, 161, 37

Square

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



133, 124, 215



216, 99, 94



50, 145, 79



0, 83, 178

Rectangle

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



133, 124, 215



209, 96, 154



50, 145, 79



0, 89, 156

Sweetspot

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



133, 124, 215



225, 222, 255



124, 167, 215



109, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 124, 215



138, 125, 255



177, 124, 215



97, 96, 107



17, 0, 171



4, 0, 43

Inverse Universe

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



215, 124, 206



255, 125, 242



124, 215, 177



107, 96, 106



171, 0, 154



43, 0, 39

Previews

White Background



This preview shows how the RYB color 133, 124, 215 looks on a white background.

Color Contrast Check

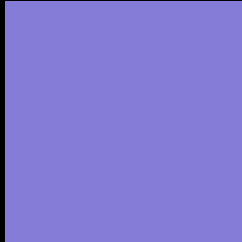
Large Text (above 18pt) WCAG AA ✓ Pass

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 133, 124, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

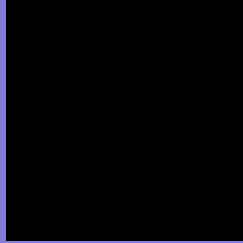
Any Text WCAG AA ✓ Pass

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 133, 124, 215 Background



This preview shows how black text looks on a background with the RYB color 133, 124, 215.

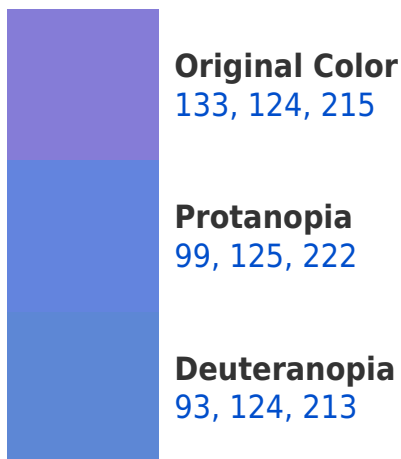


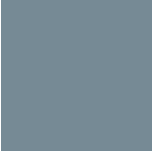
This preview shows how white text looks on a background with the RYB color 133, 124, 215.

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
118, 130, 149

Trichromacy



Original Color
133, 124, 215

Protanomaly
111, 126, 219

Deuteranomaly
108, 127, 214

Tritanomaly
123, 131, 173

Monochromacy



Original Color
133, 124, 215

Achromatopsia
137, 137, 137

Achromatomaly
136, 132, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 124, 215 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(133, 124, 215)` looks like.

```
.text, #text, p{  
    color:rgb(133, 124, 215)  
}
```

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(133, 124, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 124, 215) }
```

Border

The CSS property to change the border of an element to RYB 133, 124, 215 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(133, 124, 215) }
```

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

```
.border{ border-color:rgb(133, 124, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 124, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 124, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 124, 215);  
box-shadow:4px 4px 4px 4px rgb(133, 124,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 133, 124, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 124, 215) }
```

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

```
.background{ background-color: rgb(133,  
124, 215) }
```

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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