

Converting Colors

`RYB(132, 75, 214)`

Have a look what the booklet for
RYB(132, 75, 214) contains.

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Color

`RYB(132, 75, 214)`

Conversions

Conversions Part 1

Format	Color
Hex	844BD6
RGB	132, 75, 214
RGB Percent	52%, 29%, 84%
CMY	0.4824, 0.7059, 0.1608
CMYK	0.38, 0.65, 0.00, 0.16
HSL	265°, 63%, 57%
HSV	265°, 65%, 84%
XYZ	24.1694, 14.7927, 65.1997
YIQ	107.8890, -10.6470, 55.3130

Conversions

Conversions Part 2

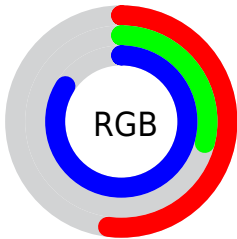
Format	Color
RYB	132, 75, 214
Decimal	8670166
CIELab	45.35, 52.34, -62.80
CIELCh	45, 81.749, 309.807
Yxy	14.7927, 0.2320, 0.1420
Android (android.graphics.Color)	4286860246 (0xFF844BD6)
YUV	107.8890, 52.3127, 21.1453
Hunter-Lab	38.4613, 44.8635, -73.5857

Details

The RYB color **132, 75, 214** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **75, 214, 132**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **190, 127, 255**, and **74, 22, 158** is the 20% darker color. If you saturate the color by 10%, you get **119, 54, 214**, and if you desaturate by 10%, it is **145, 96, 214**.

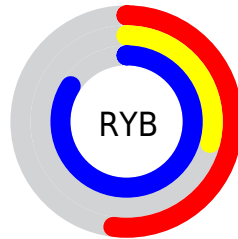
Distribution



Red (52%)

Green (29%)

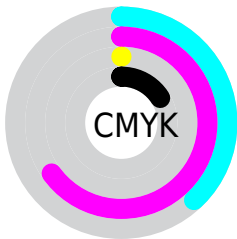
Blue (84%)



Red (52%)

Yellow (29%)

Blue (84%)

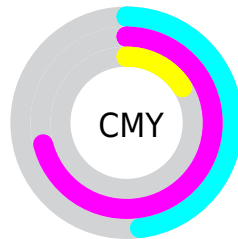


Cyan (38%)

Magenta (65%)

Yellow (0%)

Black (16%)



Cyan (48%)


















Magenta (71%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 132, 75, 214 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 132, 75, 214 by changing the saturation by 10% instead.

 132, 75, 214	 132, 75, 214
 255, 255, 255	 103, 49, 186
 190, 127, 255	 74, 22, 158
 219, 154, 255	 43, 0, 131
 249, 181, 255	 0, 0, 105
 255, 210, 255	 0, 0, 80
 255, 238, 255	 0, 5, 56
	 0, 2, 34
	 0, 0, 7
	 0, 0, 0

■ 132, 75, 214

■ 132, 75, 214

■ 119, 54, 214

■ 145, 96, 214

■ 107, 32, 214

■ 157, 118, 214

■ 94, 11, 214

■ 170, 139, 214

■ 88, 0, 214

■ 182, 161, 214

■ 195, 182, 214

■ 208, 203, 214

■ 214, 225, 219

■ 214, 246, 227

■ 214, 255, 223

Harmonies

Analogous

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



0, 76, 245



132, 75, 214



202, 0, 156

Triad

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



132, 75, 214



160, 168, 0



0, 69, 135

Complementary

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



132, 75, 214



75, 214, 132

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, 93, 132



132, 75, 214



0, 112, 1

Square

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



132, 75, 214



207, 41, 19



0, 126, 118



0, 79, 194

Rectangle

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



132, 75, 214



220, 0, 111



0, 126, 118



0, 75, 134

Sweetspot

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



132, 75, 214



226, 207, 255



75, 127, 214



110, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



132, 75, 214



138, 56, 255



200, 75, 214



101, 96, 107



70, 0, 171



18, 0, 43

Inverse Universe

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



214, 75, 157



255, 56, 173



75, 214, 200



107, 96, 103



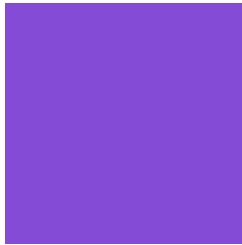
171, 0, 101



43, 0, 26

Previews

White Background



This preview shows how the RYB color 132, 75, 214 looks on a white background.

Color Contrast Check

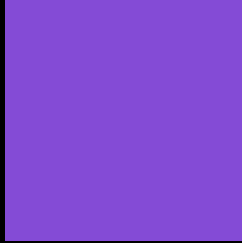
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 132, 75, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

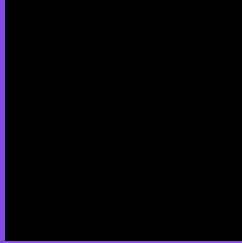
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 132, 75, 214 Background



This preview shows how black text looks on a background with the RYB color 132, 75, 214.

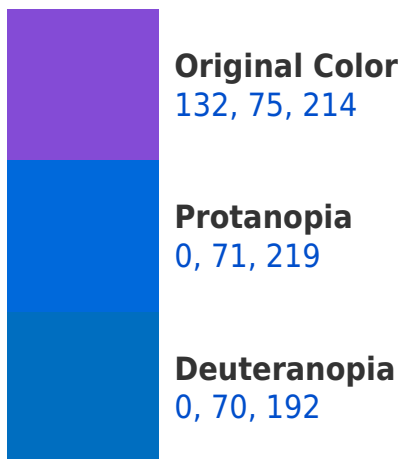



This preview shows how white text looks on a background with the RYB color 132, 75, 214.

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





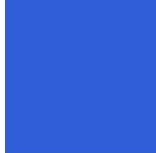
Tritanopia
110, 105, 114

Trichromacy



Original Color

132, 75, 214



Protanomaly

48, 84, 217



Deuteranomaly

48, 85, 200



Tritanomaly

118, 94, 150

Monochromacy



Original Color

132, 75, 214



Achromatopsia

108, 108, 108



Achromatomaly

117, 96, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 132, 75, 214 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(132, 75, 214)` looks like.

```
.text, #text, p{  
    color:rgb(132, 75, 214)  
}
```

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(132, 75, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 75, 214) }
```

Border

The CSS property to change the border of an element to RYB 132, 75, 214 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(132, 75, 214) }
```

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

```
.border{ border-color:rgb(132, 75, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 75, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 75, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 75, 214); box-shadow:4px 4px 4px 4px rgb(132, 75, 214) }
```

Background

The CSS property to change the background color of an element to RYB 132, 75, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 75, 214) }
```

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

```
.background{ background-color: rgb(132, 75,  
214) }
```

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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