

Converting Colors

`RYB(132, 53, 202)`

Have a look what the booklet for
RYB(132, 53, 202) contains.

RYB(132, 53, 202)	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(132, 53, 202)

Conversions

Conversions Part 1

Format	Color
Hex	8435CA
RGB	132, 53, 202
RGB Percent	52%, 21%, 79%
CMY	0.4824, 0.7922, 0.2078
CMYK	0.35, 0.74, 0.00, 0.21
HSL	272°, 58%, 50%
HSV	272°, 74%, 79%
XYZ	21.4495, 11.7160, 57.0080
YIQ	93.6070, -0.7450, 63.0870

Conversions

Conversions Part 2

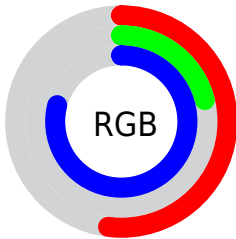
Format	Color
R_{YB}	132, 53, 202
Decimal	8664522
CIE _{Lab}	40.76, 59.75, -63.33
CIE _{LCh}	41, 87.071, 313.334
Yxy	11.7160, 0.2379, 0.1299
Android (android.graphics.Color)	4286854602 (0xFF8435CA)
YUV	93.6070, 53.4377, 33.6707
Hunter-Lab	34.2287, 51.9574, -74.7878

Details

The RYB color **132, 53, 202** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **53, 202, 132**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **190, 107, 255**, and **74, 0, 147** is the 20% darker color. If you saturate the color by 10%, you get **123, 33, 202**, and if you desaturate by 10%, it is **141, 73, 202**.

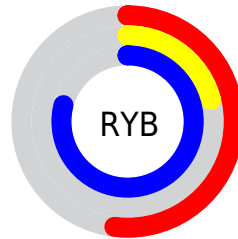
Distribution



Red (52%)

Green (21%)

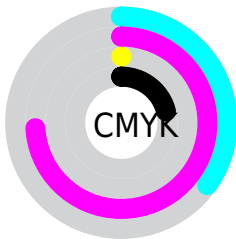
Blue (79%)



Red (52%)

Yellow (21%)

Blue (79%)

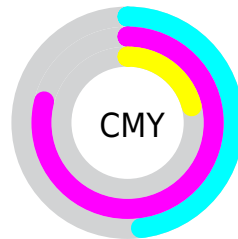


Cyan (35%)

Magenta (74%)

Yellow (0%)

Black (21%)



Cyan (48%)

Magenta (79%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 132, 53, 202 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, 53, 202 by changing the saturation by 10% instead.

 132, 53, 202

 132, 53, 202

255, 255, 255


 103, 22, 174

 190, 107, 255

 74, 0, 147

 220, 134, 255

 43, 0, 120

 250, 162, 255

 7, 0, 95

 255, 190, 255

 0, 0, 70

 255, 218, 255

 0, 4, 46

 255, 247, 255

 0, 1, 25

 0, 0, 0

 132, 53, 202

 132, 53, 202

■ 123, 33, 202

■ 141, 73, 202

■ 113, 13, 202

■ 151, 93, 202

■ 107, 0, 202

■ 160, 114, 202

■ 170, 134, 202

■ 179, 154, 202

■ 189, 174, 202

■ 198, 194, 202

■ 202, 215, 209

■ 202, 235, 220

Harmonies

Analogous

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



0, 68, 239



132, 53, 202



198, 0, 139

Triad

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



132, 53, 202



138, 150, 0



0, 62, 127

Complementary

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



132, 53, 202



53, 202, 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, 85, 121



132, 53, 202



0, 103, 14

Square

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



132, 53, 202



193, 16, 0



0, 116, 116



0, 75, 194

Rectangle

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



132, 53, 202



213, 0, 92



0, 116, 116



0, 67, 123

Sweetspot

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



132, 53, 202



229, 199, 255



53, 102, 202



112, 94, 128



0, 0, 0



128, 128, 128

Same Dimension

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



132, 53, 202



148, 28, 255



202, 53, 200



97, 92, 102



88, 0, 166



20, 0, 38

Inverse Universe

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



202, 53, 123



255, 28, 135



53, 200, 202



102, 92, 97



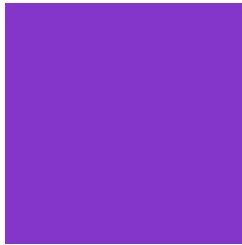
166, 0, 78



38, 0, 18

Previews

White Background



This preview shows how the RYB color 132, 53, 202 looks on a white background.

Color Contrast Check

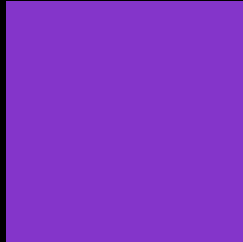
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

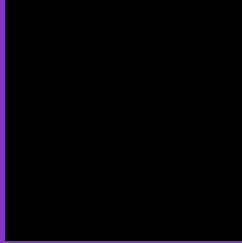
Any Text WCAG AA × Fail

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, 53, 202 Background



This preview shows how black text looks on a background with the RYB color 132, 53, 202.

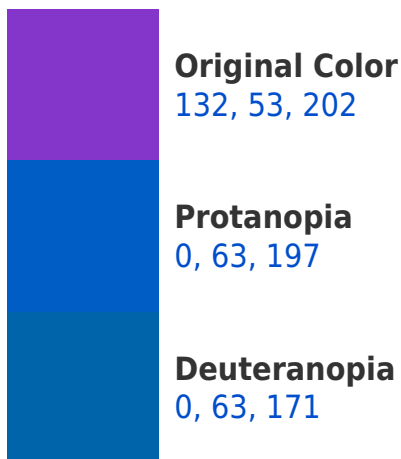


This preview shows how white text looks on a background with the RYB color 132, 53, 202.

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
112, 91, 98

Trichromacy



Original Color

132, 53, 202



Protanomaly

48, 73, 199



Deuteranomaly

48, 75, 182



Tritanomaly

119, 77, 136

Monochromacy



Original Color

132, 53, 202



Achromatopsia

94, 94, 94



Achromatomaly

108, 79, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 132, 53, 202 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, 53, 202)` looks like.

```
.text, #text, p{  
  color:rgb(132, 53, 202)  
}
```

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, 53, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 53, 202) }
```

Border

The CSS property to change the border of an element to RYB 132, 53, 202 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, 53, 202) }
```

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

```
.border{ border-color:rgb(132, 53, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 53, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 53, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 53, 202);  
box-shadow:4px 4px 4px 4px rgb(132, 53,  
202) }
```

Background

The CSS property to change the background color of an element to RGB 132, 53, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 53, 202) }
```

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

```
.background{ background-color: rgb(132, 53,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor