

Converting Colors

`RYB(94, 42, 232)`

Have a look what the booklet for
RYB(94, 42, 232) contains.

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Color

R_YB(94, 42, 232)

Conversions

Conversions Part 1

Format	Color
Hex	5E2AE8
RGB	94, 42, 232
RGB Percent	37%, 16%, 91%
CMY	0.6314, 0.8353, 0.0902
CMYK	0.59, 0.82, 0.00, 0.09
HSL	256°, 81%, 54%
HSV	256°, 82%, 91%
XYZ	20.0095, 9.8618, 77.1928
YIQ	79.2080, -29.9980, 70.1140

Conversions

Conversions Part 2

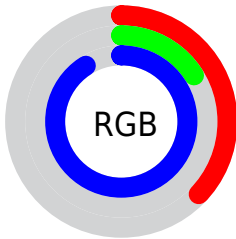
Format	Color
R_{YB}	94, 42, 232
Decimal	6171368
CIE _{Lab}	37.59, 66.44, -85.93
CIE _{LCh}	38, 108.620, 307.709
Yxy	9.8618, 0.1869, 0.0921
Android (android.graphics.Color)	4284361448 (0xFF5E2AE8)
YUV	79.2080, 75.3265, 12.9726
Hunter-Lab	31.4035, 58.7797, -123.7580

Details

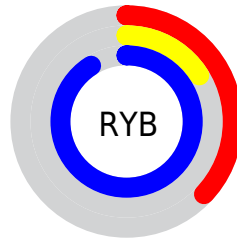
The RYB color **94, 42, 232** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **42, 232, 94**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **159, 96, 255**, and **0, 0, 175** is the 20% darker color. If you saturate the color by 10%, you get **77, 19, 232**, and if you desaturate by 10%, it is **111, 65, 232**.

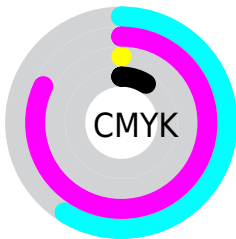
Distribution



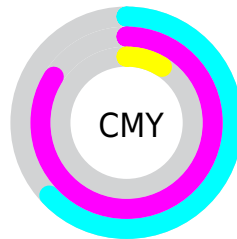
- Red (37%)
- Green (16%)
- Blue (91%)



- Red (37%)
- Yellow (16%)
- Blue (91%)



- Cyan (59%)
- Magenta (82%)
- Yellow (0%)
- Black (9%)



- Cyan (63%)
- Magenta (84%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 94, 42, 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 94, 42, 232 by changing the saturation by 10% instead.



94, 42, 232



94, 42, 232

255, 255, 255



56, 6, 203



159, 96, 255



0, 0, 175



190, 123, 255



0, 0, 147



221, 150, 255



0, 0, 120



252, 178, 255



0, 4, 94



255, 207, 255



0, 7, 70



255, 236, 255



0, 4, 46



0, 1, 25



0, 0, 0

■ 94, 42, 232

■ 94, 42, 232

■ 77, 19, 232

■ 111, 65, 232

■ 63, 0, 232

■ 128, 88, 232

■ 145, 112, 232

■ 161, 135, 232

■ 178, 158, 232

■ 195, 181, 232

■ 212, 204, 232

■ 229, 228, 232

■ 232, 251, 237

Harmonies

Analogous

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



0, 71, 255



94, 42, 232



201, 0, 157

Triad

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



94, 42, 232



159, 82, 0



0, 60, 117

Complementary

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



94, 42, 232



42, 232, 94

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, 114, 114



94, 42, 232



0, 93, 5

Square

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



94, 42, 232



208, 0, 0



0, 109, 109



0, 74, 197

Rectangle

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



94, 42, 232



225, 0, 100



0, 109, 109



0, 69, 116

Sweetspot

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



94, 42, 232



209, 191, 255



42, 122, 232



100, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

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



94, 42, 232



73, 5, 255



188, 42, 232



106, 103, 115



49, 0, 179



14, 0, 51

Inverse Universe

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



232, 42, 180



255, 5, 187



42, 232, 188



115, 103, 112



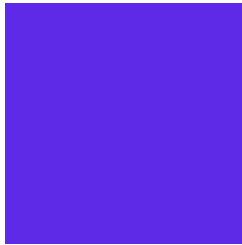
179, 0, 130



51, 0, 37

Previews

White Background



This preview shows how the RYB color 94, 42, 232 looks on a white background.

Color Contrast Check

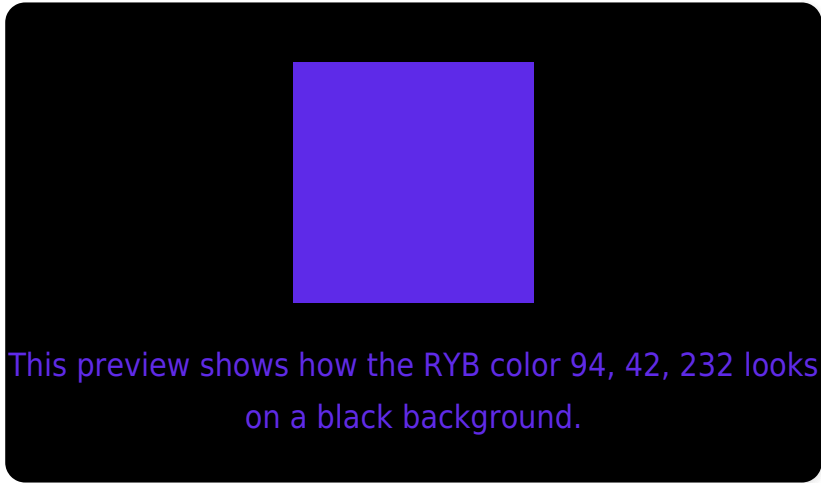
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

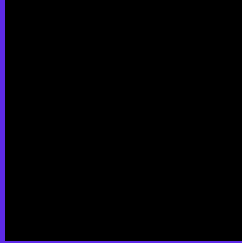
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R_YB 94, 42, 232 Background



This preview shows how black text looks on a background with the R_YB color 94, 42, 232.

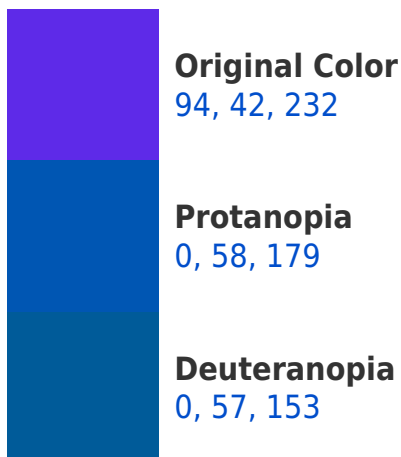


This preview shows how white text looks on a background with the R_YB color 94, 42, 232.

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
35, 67, 104

Trichromacy



Original Color

94, 42, 232

Protanomaly

34, 63, 198

Deuteranomaly

34, 65, 182

Tritanomaly

56, 73, 151

Monochromacy



Original Color

94, 42, 232

Achromatopsia

79, 79, 79

Achromatomaly

84, 66, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 94, 42, 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(94, 42, 232)` looks like.

```
.text, #text, p{  
    color:rgb(94, 42, 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(94, 42, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 42, 232) }
```

Border

The CSS property to change the border of an element to RYB 94, 42, 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(94, 42, 232) }
```

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

```
.border{ border-color:rgb(94, 42, 232) }
```

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

Here you see how a box with a 4 pixel rgb(94, 42, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 42, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 42, 232);  
box-shadow:4px 4px 4px 4px rgb(94, 42,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 94, 42, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 42, 232) }
```

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

```
.background{ background-color: rgb(94, 42,  
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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