

Converting Colors

`RYB(164, 87, 242)`

Have a look what the booklet for RYB(164, 87, 242) contains.

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Color

R_YB(164, 87, 242)

Conversions

Conversions Part 1

Format	Color
Hex	A457F2
RGB	164, 87, 242
RGB Percent	64%, 34%, 95%
CMY	0.3569, 0.6588, 0.0510
CMYK	0.32, 0.64, 0.00, 0.05
HSL	270°, 86%, 65%
HSV	270°, 64%, 95%
XYZ	34.7450, 21.1197, 86.2496
YIQ	127.6930, -3.8630, 64.5290

Conversions

Conversions Part 2

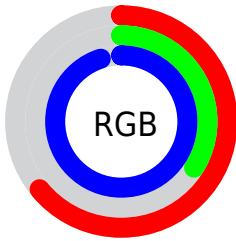
Format	Color
RYB	164, 87, 242
Decimal	10770418
CIELab	53.08, 59.75, -65.95
CIElCh	53, 88.991, 312.177
Yxy	21.1197, 0.2445, 0.1486
Android (android.graphics.Color)	4288960498 (0xFFA457F2)
YUV	127.6930, 56.3534, 31.8412
Hunter-Lab	45.9562, 54.5311, -79.1050

Details

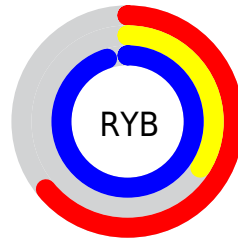
The RYB color **164, 87, 242** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **87, 242, 164**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **223, 141, 255**, and **106, 32, 185** is the 20% darker color. If you saturate the color by 10%, you get **152, 63, 242**, and if you desaturate by 10%, it is **176, 111, 242**.

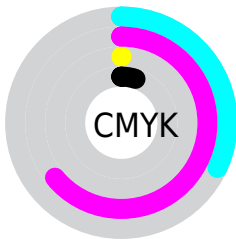
Distribution



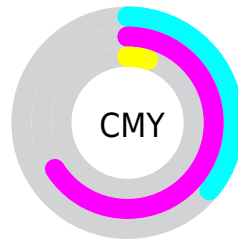
- Red (64%)
- Green (34%)
- Blue (95%)



- Red (64%)
- Yellow (34%)
- Blue (95%)



- Cyan (32%)
- Magenta (64%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (66%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 87, 242 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 164, 87, 242 by changing the saturation by 10% instead.



164, 87, 242



164, 87, 242

255, 255, 255



135, 60, 213



223, 141, 255



106, 32, 185



253, 168, 255



76, 0, 157



255, 197, 255



45, 0, 130



255, 225, 255



0, 0, 104



0, 0, 79



0, 5, 55



0, 2, 33



0, 0, 6

■ 164, 87, 242

■ 164, 87, 242

■ 152, 63, 242

■ 176, 111, 242

■ 140, 39, 242

■ 188, 135, 242

■ 127, 14, 242

■ 201, 160, 242

■ 120, 0, 242

■ 213, 184, 242

■ 225, 208, 242

■ 237, 232, 242

■ 242, 255, 248

■ 242, 255, 242

Harmonies

Analogous

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



0, 85, 255



164, 87, 242



236, 5, 176

Triad

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



164, 87, 242



153, 191, 0



0, 79, 158

Complementary

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



164, 87, 242



87, 242, 164

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, 104, 155



164, 87, 242



0, 133, 7

Square

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



164, 87, 242



237, 66, 21



0, 148, 148



0, 93, 229

Rectangle

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



164, 87, 242



254, 0, 125



0, 148, 148



0, 86, 157

Sweetspot

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



164, 87, 242



231, 207, 255



87, 140, 242



113, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



164, 87, 242



156, 59, 255



239, 87, 242



114, 108, 120



91, 0, 184



28, 0, 56

Inverse Universe

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



242, 87, 165



255, 59, 157



87, 242, 239



120, 108, 114



184, 0, 92



56, 0, 28

Previews

White Background



This preview shows how the RYB color 164, 87, 242 looks on a white background.

Color Contrast Check

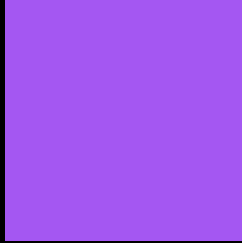
Large Text (above 18pt) WCAG AA ✓ Pass

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 164, 87, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

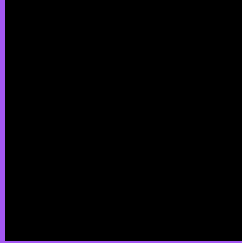
Any Text WCAG AA ✓ Pass

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 164, 87, 242 Background



This preview shows how black text looks on a background with the RYB color 164, 87, 242.

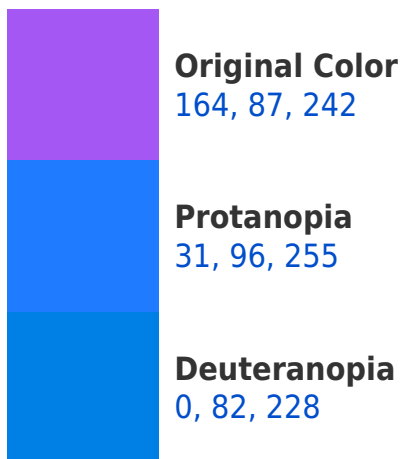



This preview shows how white text looks on a background with the RYB color 164, 87, 242.

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
143, 121, 130

Trichromacy



Original Color
164, 87, 242



Protanomaly
79, 105, 250



Deuteranomaly
60, 101, 233



Tritanomaly
151, 109, 171

Monochromacy



Original Color
164, 87, 242



Achromatopsia
128, 128, 128



Achromatomaly
141, 113, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 87, 242 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(164, 87, 242)` looks like.

```
.text, #text, p{  
    color:rgb(164, 87, 242)  
}
```

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(164, 87, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 87, 242) }
```

Border

The CSS property to change the border of an element to RYB 164, 87, 242 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(164, 87, 242) }
```

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

```
.border{ border-color:rgb(164, 87, 242) }
```

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

Here you see how a box with a 4 pixel rgb(164, 87, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 87, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 87, 242);  
box-shadow:4px 4px 4px 4px rgb(164, 87,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 164, 87, 242 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 87, 242) }
```

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

```
.background{ background-color: rgb(164, 87,  
242) }
```

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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