

Converting Colors

`RYB(164, 116, 240)`

Have a look what the booklet for RYB(164, 116, 240) contains.

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Color

R_YB(164, 116, 240)

Conversions

Conversions Part 1

Format	Color
Hex	A474F0
RGB	164, 116, 240
RGB Percent	64%, 45%, 94%
CMY	0.3569, 0.5451, 0.0588
CMYK	0.32, 0.52, 0.00, 0.06
HSL	263°, 81%, 70%
HSV	263°, 52%, 94%
XYZ	37.2834, 26.6746, 85.6217
YIQ	144.4880, -11.1960, 48.7400

Conversions

Conversions Part 2

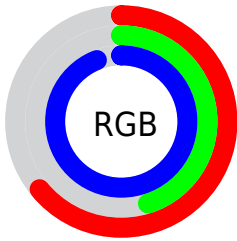
Format	Color
RYB	164, 116, 240
Decimal	10777840
CIELab	58.67, 44.15, -55.86
CIELCh	59, 71.200, 308.323
Yxy	26.6746, 0.2493, 0.1783
Android (android.graphics.Color)	4288967920 (0xFFA474F0)
YUV	144.4880, 47.0874, 17.1120
Hunter-Lab	51.6474, 38.4732, -62.1385

Details

The RYB color **164, 116, 240** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **116, 240, 164**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **222, 169, 255**, and **108, 66, 183** is the 20% darker color. If you saturate the color by 10%, you get **149, 92, 240**, and if you desaturate by 10%, it is **179, 140, 240**.

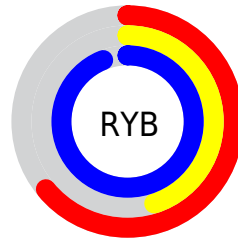
Distribution



Red (64%)

Green (45%)

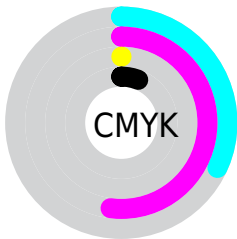
Blue (94%)



Red (64%)

Yellow (45%)

Blue (94%)

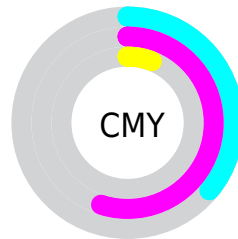


Cyan (32%)

Magenta (52%)

Yellow (0%)

Black (6%)



Cyan (36%)


Magenta (55%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 164, 116, 240 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, 116, 240 by changing the saturation by 10% instead.

 164, 116, 240

255, 255, 255

 222, 169, 255

 252, 197, 255

 255, 225, 255


255, 254, 255

 164, 116, 240

 136, 91, 211

 108, 66, 183

 80, 42, 156

 51, 16, 129


 14, 0, 103

 0, 0, 79

 0, 5, 55

 0, 2, 32


 0, 0, 4

 164, 116, 240

 164, 116, 240

 149, 92, 240


 179, 140, 240

 135, 68, 240

 193, 164, 240

 120, 44, 240

 208, 188, 240

 105, 20, 240

 223, 212, 240

 93, 0, 240

 238, 236, 240

 240, 255, 243

 240, 255, 240

Harmonies

Analogous

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



0, 92, 255



164, 116, 240



228, 85, 189

Triad

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



164, 116, 240



142, 205, 0



0, 88, 169

Complementary

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



164, 116, 240



116, 240, 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, 107, 166



164, 116, 240



11, 154, 0

Square

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



164, 116, 240



241, 96, 67



26, 159, 100



0, 95, 217

Rectangle

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



164, 116, 240



247, 73, 147



26, 159, 100



0, 94, 169

Sweetspot

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



164, 116, 240



230, 214, 255



116, 163, 240



113, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



164, 116, 240



158, 97, 255



226, 116, 240



113, 108, 120



71, 0, 184



22, 0, 56

Inverse Universe

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



240, 116, 192



255, 97, 194



116, 240, 226



120, 108, 115



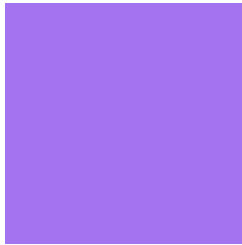
184, 0, 113



56, 0, 34

Previews

White Background



This preview shows how the RYB color 164, 116, 240 looks on a white background.

Color Contrast Check

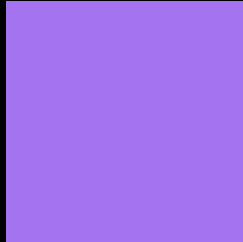
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

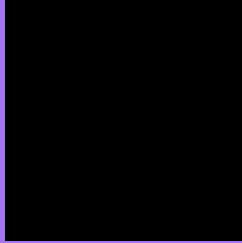
Any Text WCAG AA ✓ Pass

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, 116, 240 Background



This preview shows how black text looks on a background with the RYB color 164, 116, 240.

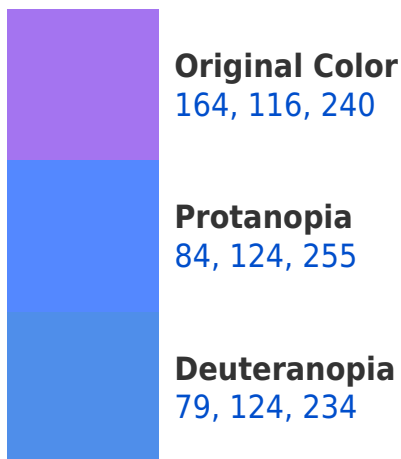


This preview shows how white text looks on a background with the RYB color 164, 116, 240.

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

146, 138, 149

Trichromacy



Original Color

164, 116, 240



Protanomaly

113, 127, 250



Deuteranomaly

110, 129, 236



Tritanomaly

153, 130, 182

Monochromacy



Original Color

164, 116, 240



Achromatopsia

144, 144, 144



Achromatomaly

151, 134, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 164, 116, 240 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, 116, 240)` looks like.

```
.text, #text, p{  
    color:rgb(164, 116, 240)  
}
```

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, 116, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 116, 240) }
```

Border

The CSS property to change the border of an element to RYB 164, 116, 240 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, 116, 240) }
```

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

```
.border{ border-color:rgb(164, 116, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 116, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 116, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 116, 240);  
box-shadow:4px 4px 4px 4px rgb(164, 116,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 164, 116, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 116, 240) }
```

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

```
.background{ background-color: rgb(164,  
116, 240) }
```

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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