

Converting Colors

`RYB(165, 114, 224)`

Have a look what the booklet for
RYB(165, 114, 224) contains.

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Color

`RYB(165, 114, 224)`

Conversions

Conversions Part 1

Format	Color
Hex	A572E0
RGB	165, 114, 224
RGB Percent	65%, 45%, 88%
CMY	0.3529, 0.5529, 0.1216
CMYK	0.26, 0.49, 0.00, 0.12
HSL	268°, 64%, 66%
HSV	268°, 49%, 88%
XYZ	34.9889, 25.4158, 73.5826
YIQ	141.7890, -4.9140, 45.0220

Conversions

Conversions Part 2

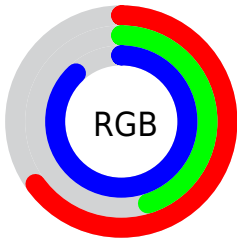
Format	Color
R _Y B	165, 114, 224
Decimal	10842848
CIE Lab	57.48, 41.63, -48.82
CIE LCh	57, 64.160, 310.452
Yxy	25.4158, 0.2611, 0.1897
Android (android.graphics.Color)	4289032928 (0xFFA572E0)
YUV	141.7890, 40.5300, 20.3560
Hunter-Lab	50.4141, 35.6599, -51.2478

Details

The RYB color **165, 114, 224** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **114, 224, 165**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **222, 167, 255**, and **110, 64, 168** is the 20% darker color. If you saturate the color by 10%, you get **153, 92, 224**, and if you desaturate by 10%, it is **177, 136, 224**.

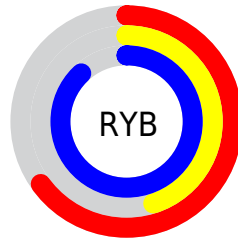
Distribution



Red (65%)

Green (45%)

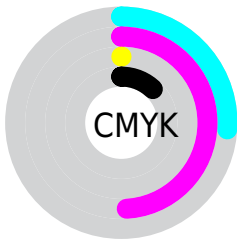
Blue (88%)



Red (65%)

Yellow (45%)

Blue (88%)

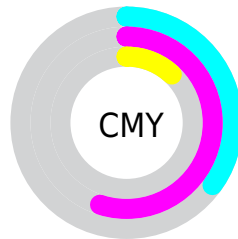


Cyan (26%)

Magenta (49%)

Yellow (0%)

Black (12%)



Cyan (35%)

Magenta (55%)

Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the RYB color 165, 114, 224 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 165, 114, 224 by changing the saturation by 10% instead.

 165, 114, 224

255, 255, 255

 222, 167, 255

 252, 195, 255

 255, 223, 255

 255, 252, 255

 165, 114, 224

 137, 89, 196

 110, 64, 168

 83, 40, 141

 56, 14, 115

 27, 0, 90

 0, 0, 66


 0, 3, 43

 0, 1, 21


 0, 0, 0

 165, 114, 224

 165, 114, 224


 153, 92, 224


 177, 136, 224

 141, 69, 224

 189, 159, 224

 129, 47, 224

 201, 181, 224

 117, 24, 224

 213, 204, 224

 105, 2, 224

 224, 226, 225

 104, 0, 224

 224, 248, 235

 224, 255, 230

 224, 255, 224

Harmonies

Analogous

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



36, 105, 249



165, 114, 224



219, 89, 177

Triad

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



165, 114, 224



144, 195, 19



0, 84, 164

Complementary

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



165, 114, 224



114, 224, 165

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, 101, 162



165, 114, 224



5, 147, 0

Square

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



165, 114, 224



227, 103, 68



44, 155, 114



0, 91, 210

Rectangle

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



165, 114, 224



235, 80, 140



44, 155, 114



0, 89, 164

Sweetspot

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



165, 114, 224



234, 217, 255



114, 153, 224



115, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



165, 114, 224



174, 105, 255



218, 114, 224



106, 101, 112



82, 0, 176



22, 0, 48

Inverse Universe

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



224, 114, 173



255, 105, 185



114, 224, 219



112, 101, 107



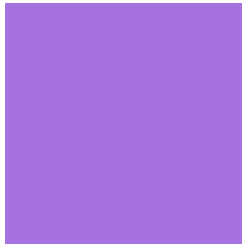
176, 0, 94



48, 0, 26

Previews

White Background



This preview shows how the RYB color 165, 114, 224 looks on a white background.

Color Contrast Check

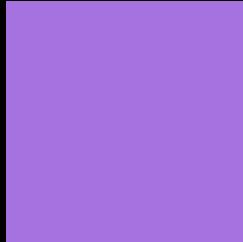
Large Text (above 18pt) WCAG AA ✓ Pass

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 165, 114, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

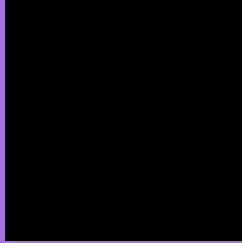
Any Text WCAG AA ✓ Pass

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 165, 114, 224 Background



This preview shows how black text looks on a background with the RYB color 165, 114, 224.

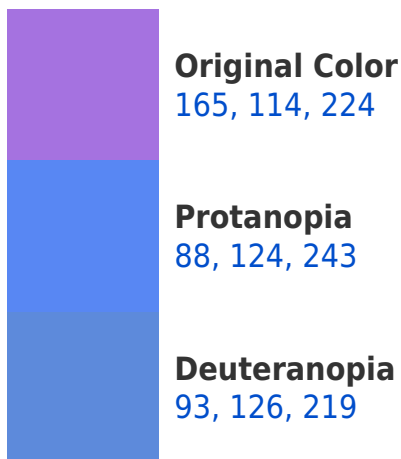



This preview shows how white text looks on a background with the RYB color 165, 114, 224.

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
150, 133, 144

Trichromacy



Original Color
165, 114, 224

Protanomaly
116, 126, 236

Deuteranomaly
119, 128, 221

Tritanomaly
155, 126, 173

Monochromacy



Original Color
165, 114, 224

Achromatopsia
142, 142, 142

Achromatomaly
150, 132, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 114, 224 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(165, 114, 224)` looks like.

```
.text, #text, p{  
    color:rgb(165, 114, 224)  
}
```

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(165, 114, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 114, 224) }
```

Border

The CSS property to change the border of an element to RYB 165, 114, 224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

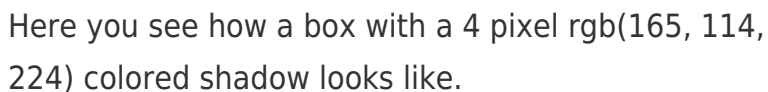
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 114, 224) }
```

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

```
.border{ border-color:rgb(165, 114, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 114, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 114, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 114, 224);  
box-shadow:4px 4px 4px 4px rgb(165, 114,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 165, 114, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 114, 224) }
```

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

```
.background{ background-color: rgb(165,  
114, 224) }
```

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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