

Converting Colors

R_YB(81, 69, 224)

Have a look what the booklet for
RYB(81, 69, 224) contains.

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Color

`RYB(81, 69, 224)`

Conversions

Conversions Part 1

Format	Color
Hex	5145E0
RGB	81, 69, 224
RGB Percent	32%, 27%, 88%
CMY	0.6824, 0.7294, 0.1216
CMYK	0.64, 0.69, 0.00, 0.12
HSL	245°, 71%, 57%
HSV	245°, 69%, 88%
XYZ	18.9760, 11.3874, 71.7188
YIQ	90.2580, -42.6030, 50.7490

Conversions

Conversions Part 2

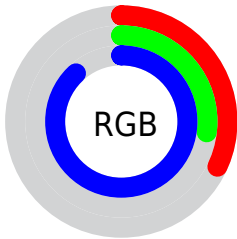
Format	Color
RYB	81, 69, 224
Decimal	5326304
CIELab	40.23, 49.88, -77.08
CIELCh	40, 91.807, 302.909
Yxy	11.3874, 0.1859, 0.1116
Android (android.graphics.Color)	4283516384 (0xFF5145E0)
YUV	90.2580, 65.9348, -8.1193
Hunter-Lab	33.7452, 41.3221, -102.3877

Details

The RYB color **81, 69, 224** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **69, 224, 81**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **145, 119, 255**, and **0, 19, 167** is the 20% darker color. If you saturate the color by 10%, you get **60, 47, 224**, and if you desaturate by 10%, it is **102, 91, 224**.

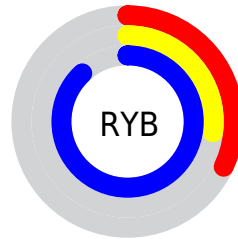
Distribution



Red (32%)

Green (27%)

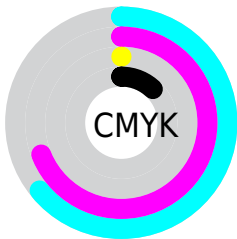
Blue (88%)



Red (32%)

Yellow (27%)

Blue (88%)

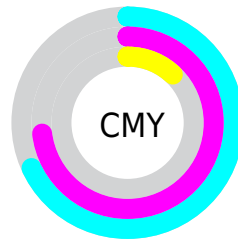


Cyan (64%)

Magenta (69%)

Yellow (0%)

Black (12%)



Cyan (68%)

Magenta (73%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 69, 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 81, 69, 224 by changing the saturation by 10% instead.



81, 69, 224



81, 69, 224

255, 255, 255



41, 45, 195



145, 119, 255



0, 19, 167



176, 145, 255



0, 0, 140



207, 172, 255



0, 0, 114



237, 200, 255



0, 6, 88



255, 228, 255



0, 6, 64



0, 3, 41



0, 1, 19



0, 0, 0

■ 81, 69, 224

■ 81, 69, 224

■ 60, 47, 224

■ 102, 91, 224

■ 40, 24, 224

■ 122, 114, 224

■ 19, 2, 224

■ 143, 136, 224

■ 17, 0, 224

■ 164, 159, 224

■ 184, 181, 224

■ 205, 203, 224

■ 224, 226, 224

■ 224, 248, 226

■ 224, 255, 224

Harmonies

Analogous

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



0, 74, 249



81, 69, 224



185, 0, 165

Triad

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



81, 69, 224



168, 93, 0



0, 67, 122

Complementary

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



81, 69, 224



69, 224, 81

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, 111, 119



81, 69, 224



17, 110, 0

Square

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



81, 69, 224



207, 0, 17



0, 112, 110



0, 72, 176

Rectangle

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



81, 69, 224



211, 0, 116



0, 112, 110



0, 75, 121

Sweetspot

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



81, 69, 224



206, 201, 255



69, 144, 224



98, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



81, 69, 224



60, 43, 255



157, 69, 224



102, 101, 112



14, 0, 176



4, 0, 48

Inverse Universe

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



224, 69, 212



255, 43, 239



69, 224, 157



112, 101, 111



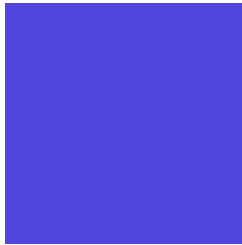
176, 0, 162



48, 0, 45

Previews

White Background



This preview shows how the RYB color 81, 69, 224 looks on a white background.

Color Contrast Check

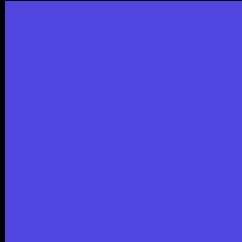
Large Text (above 18pt) WCAG AA ✓ Pass

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 81, 69, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

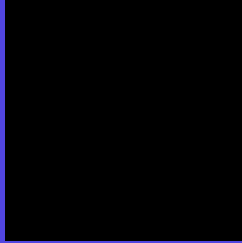
Any Text WCAG AA × Fail

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 81, 69, 224 Background



This preview shows how black text looks on a background with the RYB color 81, 69, 224.

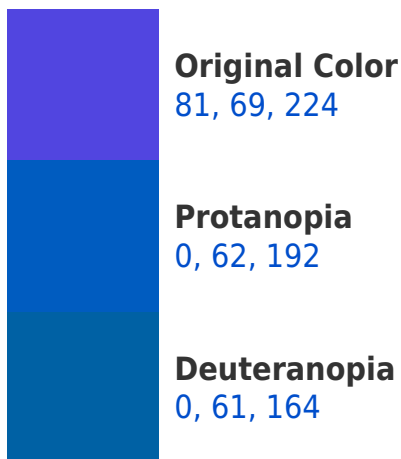


This preview shows how white text looks on a background with the RYB color 81, 69, 224.

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
0, 54, 113

Trichromacy



Original Color

81, 69, 224

Protanomaly

29, 70, 204

Deuteranomaly

29, 71, 186

Tritanomaly

29, 71, 153

Monochromacy



Original Color

81, 69, 224

Achromatopsia

90, 90, 90

Achromatomaly

87, 82, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 69, 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(81, 69, 224)` looks like.

```
.text, #text, p{  
    color:rgb(81, 69, 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(81, 69, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 69, 224) }
```

Border

The CSS property to change the border of an element to RYB 81, 69, 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(81, 69, 224) }
```

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

```
.border{ border-color:rgb(81, 69, 224) }
```

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

Here you see how a box with a 4 pixel rgb(81, 69, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 69, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 69, 224);  
box-shadow:4px 4px 4px 4px rgb(81, 69,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 81, 69, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 69, 224) }
```

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

```
.background{ background-color: rgb(81, 69,  
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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