

Converting Colors

`RYB(100, 0, 222)`

Have a look what the booklet for
RYB(100, 0, 222) contains.

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Color

R_YB(100, 0, 222)

Conversions

Conversions Part 1

Format	Color
Hex	6400DE
RGB	100, 0, 222
RGB Percent	39%, 0%, 87%
CMY	0.6078, 1.0000, 0.1294
CMYK	0.55, 1.00, 0.00, 0.13
HSL	267°, 100%, 44%
HSV	267°, 100%, 87%
XYZ	18.4403, 7.9833, 69.6762
YIQ	55.2080, -11.6620, 90.2420

Conversions

Conversions Part 2

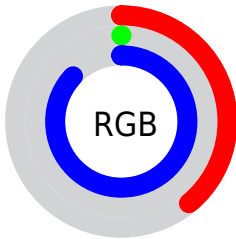
Format	Color
R_{YB}	100, 0, 222
Decimal	6553822
CIE _{Lab}	33.95, 74.16, -86.23
CIE _{LCh}	34, 113.735, 310.697
Yxy	7.9833, 0.1919, 0.0831
Android (android.graphics.Color)	4284743902 (0xFF6400DE)
YUV	55.2080, 82.2285, 39.2826
Hunter-Lab	28.2546, 67.0521, -126.4315

Details

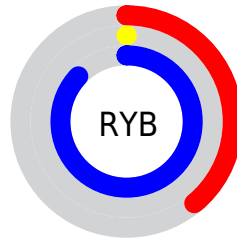
The RYB color **100, 0, 222** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **0, 222, 100**, and the grayscale version is **54, 54, 54**.

A 20% lighter version of the original color is **164, 75, 255**, and **9, 0, 165** is the 20% darker color. If you saturate the color by 10%, you get **100, 0, 222**, and if you desaturate by 10%, it is **112, 22, 222**.

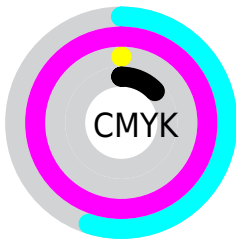
Distribution



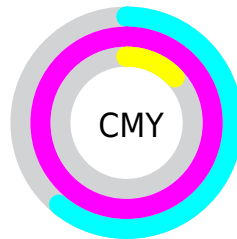
- Red (39%)
- Green (0%)
- Blue (87%)



- Red (39%)
- Yellow (0%)
- Blue (87%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)






















- Cyan (61%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 0, 222 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 100, 0, 222 by changing the saturation by 10% instead.

 100, 0, 222	 100, 0, 222
 255, 255, 255	 65, 0, 193
 164, 75, 255	 9, 0, 165
 195, 103, 255	 0, 0, 138
 226, 131, 255	 0, 0, 111
 255, 159, 255	 0, 7, 86
 255, 188, 255	 0, 5, 61
 255, 217, 255	 0, 3, 38
 255, 246, 255	 0, 1, 16
	 0, 0, 0


 100, 0, 222


 112, 22, 222

 124, 44, 222

 137, 67, 222

 149, 89, 222

 161, 111, 222

 173, 133, 222

 185, 155, 222

 198, 178, 222

 210, 200, 222

Harmonies

Analogous

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



0, 65, 255



100, 0, 222



200, 0, 142

Triad

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



100, 0, 222



143, 75, 0



0, 55, 112

Complementary

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



100, 0, 222



0, 222, 100

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, 103, 105



100, 0, 222



0, 87, 19

Square

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



100, 0, 222



196, 0, 0



0, 101, 101



0, 71, 200

Rectangle

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



100, 0, 222



220, 0, 83



0, 101, 101



0, 61, 107

Sweetspot

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



100, 0, 222



213, 179, 255



0, 79, 222



102, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 0, 222



115, 0, 255



211, 0, 222



106, 101, 112



79, 0, 176



22, 0, 48

Inverse Universe

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



222, 0, 122



255, 0, 140



0, 222, 211



112, 101, 107



176, 0, 97



48, 0, 27

Previews

White Background



This preview shows how the RYB color 100, 0, 222 looks on a white background.

Color Contrast Check

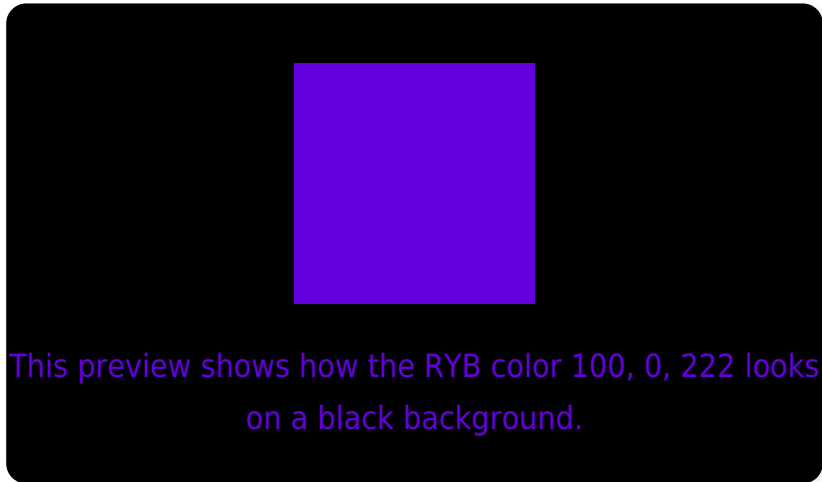
Large Text (above 18pt) WCAG AA ✓ Pass

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

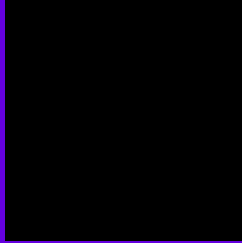
Any Text WCAG AA × Fail

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 Y B 100, 0, 222 Background



This preview shows how black text looks on a background with the R Y B color 100, 0, 222.



This preview shows how white text looks on a background with the R Y B color 100, 0, 222.

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



Original Color

100, 0, 222

Protanopia

0, 53, 165

Deuteranopia

0, 53, 141



Tritanopia

56, 73, 93

Trichromacy



Original Color

100, 0, 222



Protanomaly

36, 49, 186



Deuteranomaly

36, 51, 170



Tritanomaly

72, 55, 140

Monochromacy



Original Color

100, 0, 222



Achromatopsia

55, 55, 55



Achromatomaly

71, 35, 116

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 0, 222 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(100, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 222)  
}
```

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(100, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 222) }
```

Border

The CSS property to change the border of an element to RYB 100, 0, 222 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(100, 0, 222) }
```

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

```
.border{ border-color:rgb(100, 0, 222) }
```

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

Here you see how a box with a 4 pixel rgb(100, 0, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(100, 0,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 100, 0, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 222) }
```

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

```
.background{ background-color: rgb(100, 0,  
222) }
```

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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