

Converting Colors

`RYB(116, 0, 226)`

Have a look what the booklet for
RYB(116, 0, 226) contains.

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Color

R_YB(116, 0, 226)

Conversions

Conversions Part 1

Format	Color
Hex	7400E2
RGB	116, 0, 226
RGB Percent	45%, 0%, 89%
CMY	0.5451, 1.0000, 0.1137
CMYK	0.49, 1.00, 0.00, 0.11
HSL	271°, 100%, 44%
HSV	271°, 100%, 89%
XYZ	20.9299, 9.2040, 72.6249
YIQ	60.4480, -3.4100, 94.8780

Conversions

Conversions Part 2

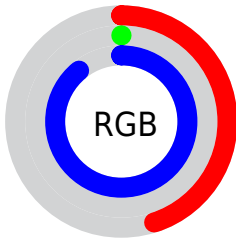
Format	Color
RYB	116, 0, 226
Decimal	7602402
CIELab	36.37, 76.18, -84.44
CIElCh	36, 113.732, 312.056
Yxy	9.2040, 0.2037, 0.0896
Android (android.graphics.Color)	4285792482 (0xFF7400E2)
YUV	60.4480, 81.6171, 48.7191
Hunter-Lab	30.3381, 70.0537, -120.6949

Details

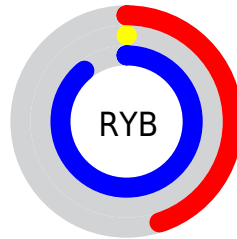
The RYB color **116, 0, 226** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **0, 226, 116**, and the grayscale version is **60, 60, 60**.

A 20% lighter version of the original color is **178, 78, 255**, and **45, 0, 169** is the 20% darker color. If you saturate the color by 10%, you get **116, 0, 226**, and if you desaturate by 10%, it is **127, 23, 226**.

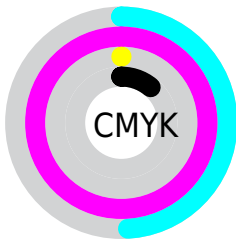
Distribution



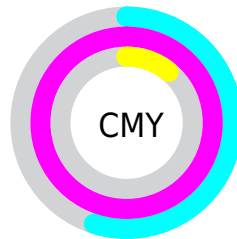
- Red (45%)
- Green (0%)
- Blue (89%)



- Red (45%)
- Yellow (0%)
- Blue (89%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)






















- Cyan (55%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 0, 226 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 116, 0, 226 by changing the saturation by 10% instead.


 116, 0, 226	 116, 0, 226
 255, 255, 255	 83, 0, 197
 178, 78, 255	 45, 0, 169
 209, 107, 255	 0, 0, 142
 240, 135, 255	 0, 0, 115
 255, 164, 255	 0, 0, 89
 255, 192, 255	 0, 6, 65
 255, 222, 255	 0, 3, 42
 255, 251, 255	 0, 1, 20
	 0, 0, 0


 116, 0, 226


 127, 23, 226

 138, 45, 226


 149, 68, 226

 160, 90, 226

 171, 113, 226

 182, 136, 226

 193, 158, 226

 204, 181, 226

 215, 203, 226

Harmonies

Analogous

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



0, 67, 255



116, 0, 226



210, 0, 144

Triad

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



116, 0, 226



148, 95, 0



0, 59, 122

Complementary

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



116, 0, 226



0, 226, 116

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, 96, 112



116, 0, 226



0, 94, 24

Square

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



116, 0, 226



203, 0, 0



0, 107, 107



0, 75, 210

Rectangle

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



116, 0, 226



228, 0, 85



0, 107, 107



0, 64, 114

Sweetspot

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



116, 0, 226



218, 179, 255



0, 75, 226



105, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 0, 226



131, 0, 255



226, 0, 226



107, 101, 112



90, 0, 176



25, 0, 48

Inverse Universe

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



226, 0, 110



255, 0, 124



0, 226, 226



112, 101, 106



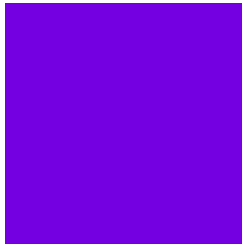
176, 0, 86



48, 0, 24

Previews

White Background



This preview shows how the RYB color 116, 0, 226 looks on a white background.

Color Contrast Check

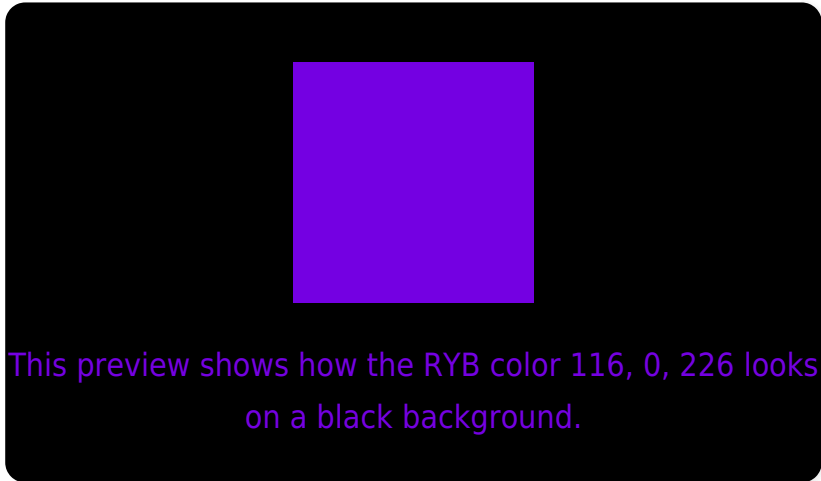
Large Text (above 18pt) WCAG AA ✓ Pass

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

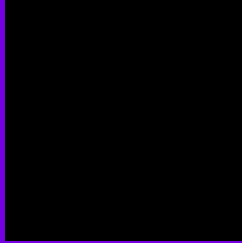
Any Text WCAG AA × Fail

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_YB 116, 0, 226 Background



This preview shows how black text looks on a background with the R_YB color 116, 0, 226.



This preview shows how white text looks on a background with the R_YB color 116, 0, 226.

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](#).

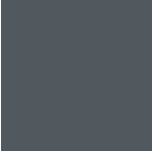
Dichromacy



Original Color
116, 0, 226

Protanopia
0, 57, 177

Deuteranopia
0, 57, 152



Tritanopia

81, 86, 95

Trichromacy



Original Color

116, 0, 226



Protanomaly

42, 52, 195



Deuteranomaly

42, 56, 179



Tritanomaly

94, 56, 143

Monochromacy



Original Color

116, 0, 226



Achromatopsia

60, 60, 60



Achromatomaly

80, 38, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 0, 226 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(116, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(116, 0, 226)  
}
```

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(116, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 0, 226) }
```

Border

The CSS property to change the border of an element to RYB 116, 0, 226 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(116, 0, 226) }
```

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

```
.border{ border-color:rgb(116, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(116, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(116, 0,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 116, 0, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 0, 226) }
```

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

```
.background{ background-color: rgb(116, 0,  
226) }
```

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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