

Converting Colors

`RYB(102, 16, 181)`

Have a look what the booklet for
RYB(102, 16, 181) contains.

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Color

R_{YB}(102, 16, 181)

Conversions

Conversions Part 1

Format	Color
Hex	6610B5
RGB	102, 16, 181
RGB Percent	40%, 6%, 71%
CMY	0.6000, 0.9373, 0.2902
CMYK	0.44, 0.91, 0.00, 0.29
HSL	271°, 84%, 39%
HSV	271°, 91%, 71%
XYZ	14.0053, 6.5316, 44.2386
YIQ	60.5240, -1.7090, 69.5470

Conversions

Conversions Part 2

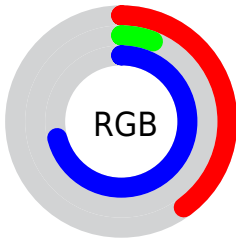
Format	Color
R_{YB}	102, 16, 181
Decimal	6688949
CIE _{Lab}	30.72, 62.73, -67.59
CIE _{LCh}	31, 92.211, 312.866
Yxy	6.5316, 0.2162, 0.1008
Android (android.graphics.Color)	4284879029 (0xFF6610B5)
YUV	60.5240, 59.3947, 36.3745
Hunter-Lab	25.5569, 53.0940, -84.7402

Details

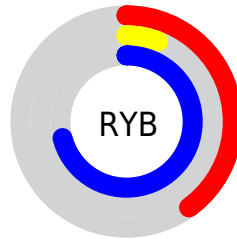
The RYB color **102, 16, 181** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **16, 181, 102**, and the grayscale version is **60, 60, 60**.

A 20% lighter version of the original color is **160, 77, 238**, and **39, 0, 127** is the 20% darker color. If you saturate the color by 10%, you get **94, 0, 181**, and if you desaturate by 10%, it is **111, 34, 181**.

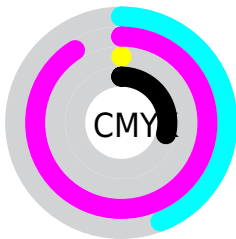
Distribution



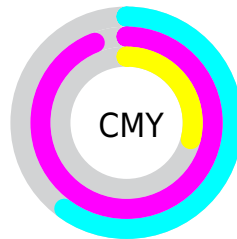
- Red (40%)
- Green (6%)
- Blue (71%)



- Red (40%)
- Yellow (6%)
- Blue (71%)



- Cyan (44%)
- Magenta (91%)
- Yellow (0%)
- Black (29%)



- Cyan (60%)
- Magenta (94%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 16, 181 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 102, 16, 181 by changing the saturation by 10% instead.



102, 16, 181



102, 16, 181

255, 255, 255



72, 0, 153



160, 77, 238



39, 0, 127



190, 104, 255



0, 0, 101



220, 131, 255



0, 0, 76



250, 159, 255



0, 4, 52



255, 187, 255



0, 2, 30



255, 216, 255



0, 0, 0



255, 245, 255



102, 16, 181



102, 16, 181

■ 94, 0, 181

■ 111, 34, 181

■ 119, 52, 181

■ 128, 70, 181

■ 137, 88, 181

■ 145, 107, 181

■ 154, 125, 181

■ 163, 143, 181

■ 171, 161, 181

■ 180, 179, 181

Harmonies

Analogous

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



0, 56, 218



102, 16, 181



172, 0, 117

Triad

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



102, 16, 181



122, 91, 0



0, 50, 103

Complementary

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



102, 16, 181



16, 181, 102

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, 75, 94



102, 16, 181



0, 79, 19

Square

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



102, 16, 181



166, 0, 0



0, 90, 90



0, 62, 172

Rectangle

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



102, 16, 181



186, 0, 69



0, 90, 90



0, 53, 96

Sweetspot

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



102, 16, 181



204, 171, 235



16, 70, 181



99, 80, 117



245, 245, 245



117, 117, 117

Same Dimension

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



102, 16, 181



122, 0, 235



181, 16, 178



85, 80, 89



80, 0, 153



13, 0, 26

Inverse Universe

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



181, 16, 95



235, 0, 112



16, 178, 181



89, 80, 85



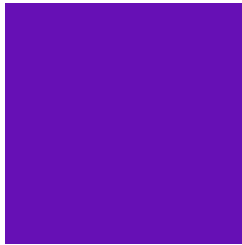
153, 0, 73



26, 0, 12

Previews

White Background



This preview shows how the RYB color 102, 16, 181 looks on a white background.

Color Contrast Check

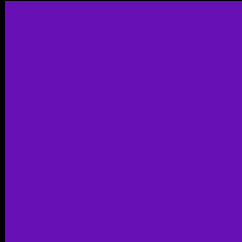
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 102, 16, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

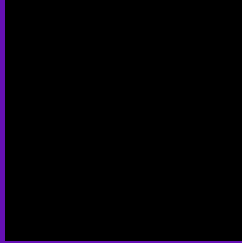
Any Text WCAG AA × Fail

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](#).

RYB 102, 16, 181 Background



This preview shows how black text looks on a background with the RYB color 102, 16, 181.



This preview shows how white text looks on a background with the RYB color 102, 16, 181.

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

102, 16, 181

Protanopia

0, 48, 150

Deuteranopia

0, 48, 128



Tritanopia
78, 72, 77

Trichromacy



Original Color
102, 16, 181

Protanomaly
37, 50, 161

Deuteranomaly
37, 52, 147

Tritanomaly
87, 52, 115

Monochromacy



Original Color
102, 16, 181

Achromatopsia
61, 61, 61

Achromatomaly
76, 45, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 16, 181 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(102, 16, 181)` looks like.

```
.text, #text, p{  
    color:rgb(102, 16, 181)  
}
```

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(102, 16, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 16, 181) }
```

Border

The CSS property to change the border of an element to RYB 102, 16, 181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

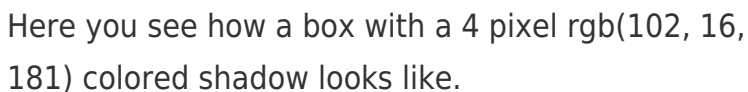
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 16, 181) }
```

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

```
.border{ border-color:rgb(102, 16, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 16, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 16, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 16, 181);  
box-shadow:4px 4px 4px 4px rgb(102, 16,  
181) }
```

Background

The CSS property to change the background color of an element to RGB 102, 16, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 16, 181) }
```

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

```
.background{ background-color: rgb(102, 16,  
181) }
```

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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