

Converting Colors

`RYB(153, 0, 204)`

Have a look what the booklet for
RYB(153, 0, 204) contains.

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Color

R_YB(153, 0, 204)

Conversions

Conversions Part 1

Format	Color
Hex	9900CC
RGB	153, 0, 204
RGB Percent	60%, 0%, 80%
CMY	0.4000, 1.0000, 0.2000
CMYK	0.25, 1.00, 0.00, 0.20
HSL	285°, 100%, 40%
HSV	285°, 100%, 80%
XYZ	24.0360, 11.1319, 58.0086
YIQ	69.0030, 25.7040, 95.8800

Conversions

Conversions Part 2

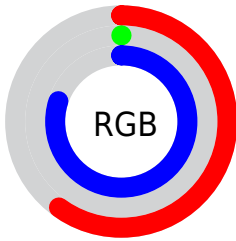
Format	Color
RYB	153, 0, 204
Decimal	10027212
CIELab	39.80, 75.66, -65.92
CIELCh	40, 100.353, 318.935
Yxy	11.1319, 0.2580, 0.1195
Android (android.graphics.Color)	4288217292 (0xFF9900CC)
YUV	69.0030, 66.5535, 73.6654
Hunter-Lab	33.3646, 70.2041, -79.7281

Details

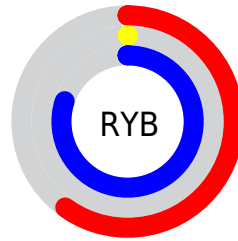
The RYB color **153, 0, 204** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **0, 204, 153**, and the grayscale version is **68, 68, 68**.

A 20% lighter version of the original color is **212, 83, 255**, and **95, 0, 149** is the 20% darker color. If you saturate the color by 10%, you get **153, 0, 204**, and if you desaturate by 10%, it is **158, 20, 204**.

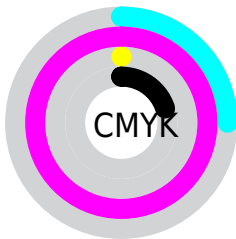
Distribution



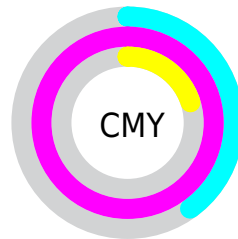
- Red (60%)
- Green (0%)
- Blue (80%)



- Red (60%)
- Yellow (0%)
- Blue (80%)



- Cyan (25%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the RYB color 153, 0, 204 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 153, 0, 204 by changing the saturation by 10% instead.

 153, 0, 204

 153, 0, 204

255, 255, 255

 124, 0, 176

 212, 83, 255

 95, 0, 149

 243, 112, 255

 65, 0, 122

 255, 141, 255

 37, 0, 96

 255, 170, 255

 0, 0, 71

 255, 199, 255


 0, 4, 48


 255, 229, 255


 0, 1, 26

 0, 0, 0

 153, 0, 204

 158, 20, 204

 163, 41, 204

 168, 61, 204

 173, 82, 204

 179, 102, 204

 184, 122, 204

 189, 143, 204

 194, 163, 204

 199, 184, 204

Harmonies

Analogous

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



0, 65, 254



153, 0, 204



216, 0, 128

Triad

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



153, 0, 204



105, 140, 0



0, 67, 146

Complementary

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



153, 0, 204



0, 204, 153

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, 81, 121



153, 0, 204



0, 105, 41

Square

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



153, 0, 204



194, 0, 0



0, 116, 116



0, 79, 219

Rectangle

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



153, 0, 204



226, 0, 74



0, 116, 116



0, 62, 122

Sweetspot

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



153, 0, 204



236, 179, 255



0, 41, 204



116, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



153, 0, 204



191, 0, 255



204, 0, 153



99, 92, 102



124, 0, 166



29, 0, 38

Inverse Universe

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



204, 0, 51



255, 0, 64



0, 163, 204



102, 92, 94



166, 0, 41



38, 0, 10

Previews

White Background



This preview shows how the RYB color 153, 0, 204 looks on a white background.

Color Contrast Check

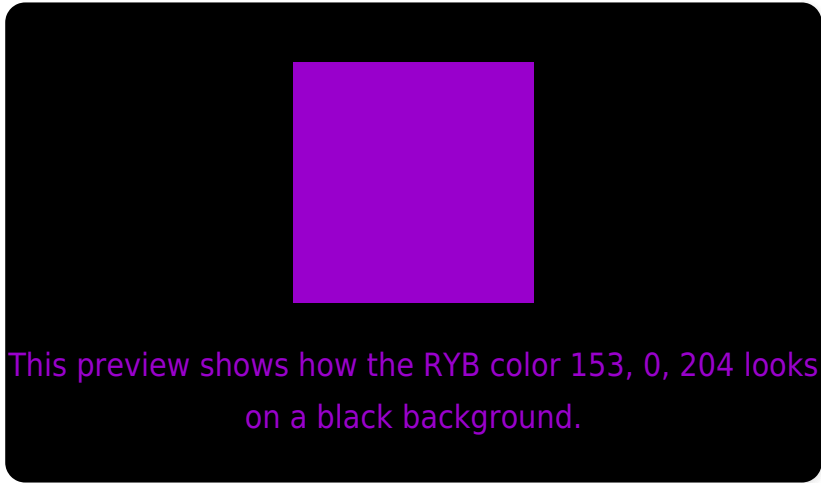
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

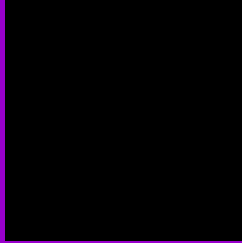
Any Text WCAG AA × Fail

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 153, 0, 204 Background



This preview shows how black text looks on a background with the RYB color 153, 0, 204.

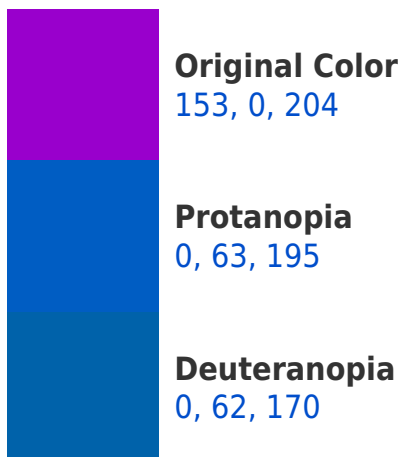


This preview shows how white text looks on a background with the RYB color 153, 0, 204.

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
135, 80, 86

Trichromacy



Original Color

153, 0, 204



Protanomaly

56, 59, 198



Deuteranomaly

56, 62, 182



Tritanomaly

142, 51, 129

Monochromacy



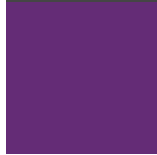
Original Color

153, 0, 204



Achromatopsia

69, 69, 69



Achromatomaly

100, 44, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 0, 204 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(153, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 204)  
}
```

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(153, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 204) }
```

Border

The CSS property to change the border of an element to RYB 153, 0, 204 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(153, 0, 204) }
```

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

```
.border{ border-color:rgb(153, 0, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 153, 0, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 204) }
```

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

```
.background{ background-color: rgb(153, 0,  
204) }
```

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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