Converting Colors

RYB(150, 5, 250)

Have a look what the booklet for RYB(150, 5, 250) contains.

Color

RYB(150, 5, 250)

Conversions

Format	Color
Hex	9605FA
RGB	150, 5, 250
RGB Percent	59%, 2%, 98%
CMY	0.4118, 0.9804, 0.0196
CMYK	0.40, 0.98, 0.00, 0.02
HSL	276°, 96%, 50%
HSV	276°, 98%, 98%
XYZ	29.8873, 13.4947, 91.4720
YIQ	76.2850, 7.7750, 106.9350

Conversions Part 1

Conversions

Conversions Part 2

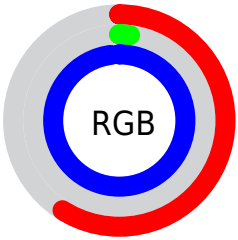
Format	Color
RYB	150, 5, 250
Decimal	9831930
CIELab	43.50, 83.54, -86.13
CIELCh	43, 119.990, 314.126
Yxy	13.4947, 0.2216, 0.1001
Android (android.graphics.Color)	4288022010 (0xFF9605FA)
YUV	76.2850, 85.6415, 64.6481
Hunter-Lab	36.7351, 80.9390, -121.9199

Details

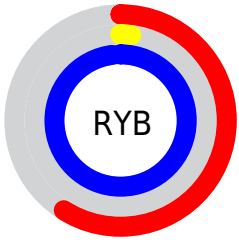
The RYB color 150, 5, 250 is a dark color, and the websafe version is hex 9900FF. The color can be described as middle saturated purple. A complement of this color would be 5, 250, 150, and the grayscale version is 75, 75, 75.

A 20% lighter version of the original color is 212, 87, 255, and 86, 0, 192 is the 20% darker color. If you saturate the color by 10%, you get 148, 0, 250, and if you desaturate by 10%, it is 160, 30, 250.

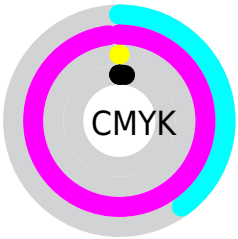
Distribution



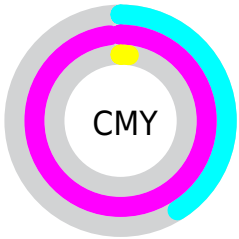
- Red (59%)
- Green (2%)
- Blue (98%)



- Red (59%)
- Yellow (2%)
- Blue (98%)



- Cyan (40%)
- Magenta (98%)
- Yellow (0%)
- Black (2%)



- Cyan (41%)
- Magenta (98%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 150, 5, 250 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 150, 5, 250 by changing the saturation by 10% instead.

150, 5, 250	150, 5, 250
255, 255, 255	119, 0, 221
212, 87, 255	86, 0, 192
243, 117, 255	49, 0, 164
255, 146, 255	0, 0, 137
255, 176, 255	0, 0, 110
255, 205, 255	0, 2, 84
255, 235, 255	0, 5, 60
	0, 2, 37
	0, 1, 14

150, 5, 250

148, 0, 250

150, 5, 250

160, 30, 250

170, 55, 250

181, 80, 250

191, 105, 250

201, 130, 250

211, 155, 250

221, 180, 250

232, 205, 250

242, 230, 250

Harmonies

Analogous

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

0, 74, 255

150, 5, 250

242, 0, 160

Triad

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

150, 5, 250

168, 142, 0

0, 71, 150

Complementary

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

150, 5, 250

5, 250, 150

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, 102, 133

150, 5, 250

0, 114, 33

Square

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

150, 5, 250

229, 0, 0

0, 128, 128

0, 88, 244

Rectangle

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

150, 5, 250

255, 0, 95

0, 128, 128

0, 73, 135

Sweetspot

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

150, 5, 250

225, 181, 255

5, 77, 250

109, 83, 128

0, 0, 0

128, 128, 128

Same Dimension

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

150, 5, 250

151, 0, 255

250, 5, 230

120, 112, 125

112, 0, 189

36, 0, 61

Inverse Universe

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

250, 5, 105

255, 0, 104

5, 232, 250

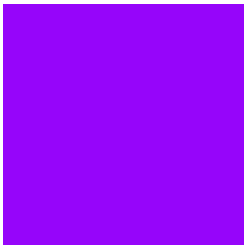
125, 112, 118

189, 0, 77

61, 0, 25

Previews

White Background

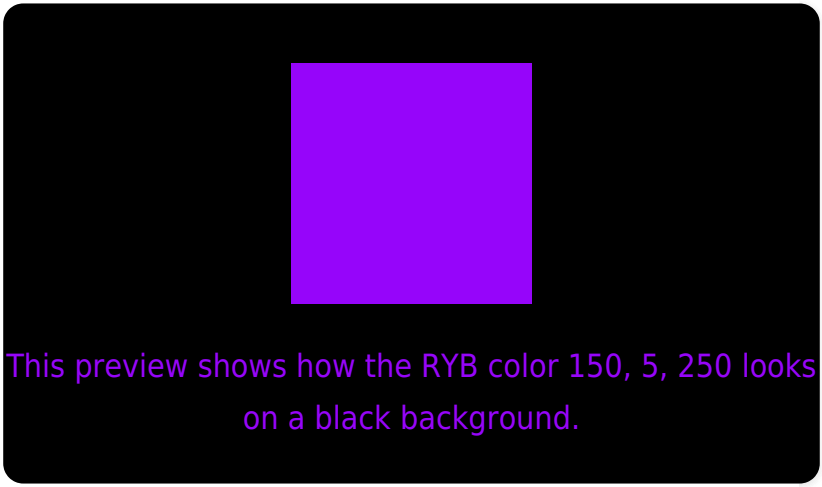


This preview shows how the RYB color 150, 5, 250 looks on a white background.

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

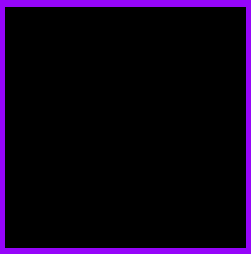


Color Contrast Check

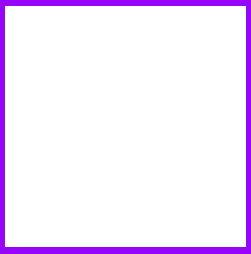
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 150, 5, 250 Background



This preview shows how black text looks on a background with the RYB color 150, 5, 250.

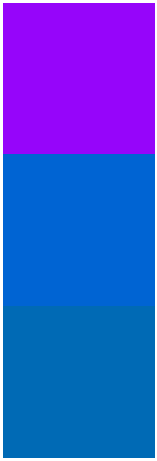


This preview shows how white text looks on a background with the RYB color 150, 5, 250.

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



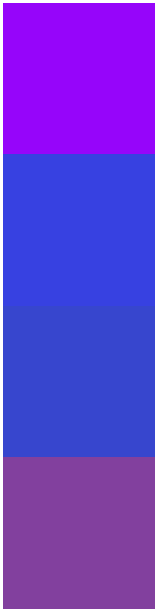
Original Color
150, 5, 250

Protanopia
0, 68, 211

Deuteranopia
0, 67, 181

Tritanopia
119, 98, 105

Trichromacy



Original Color
150, 5, 250

Protanomaly
55, 64, 225

Deuteranomaly
55, 69, 206

Tritanomaly
130, 64, 158

Monochromacy

Original Color
150, 5, 250

Achromatopsia
76, 76, 76

Achromatomaly
103, 50, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 150, 5, 250 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(150, 5, 250) looks like.

```
.text, #text, p{
    color:rgb(150, 5, 250)
}
```

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(150, 5, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 5, 250) }
```

Border

The CSS property to change the border of an element to RYB 150, 5, 250 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(150, 5, 250) }
```

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

```
.border{ border-color:rgb(150, 5, 250) }
```

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

Here you see how a box with a 4 pixel rgb(150, 5, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 5, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 5, 250); box-shadow:4px 4px 4px 4px rgb(150, 5, 250) }
```

Background

The CSS property to change the background color of an element to RYB 150, 5, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(150, 5, 250) }
```

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

```
.background{ background-color:rgb(150, 5,
250) }
```

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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