

Converting Colors

`RYB(125, 10, 255)`

Have a look what the booklet for
RYB(125, 10, 255) contains.

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Color

R_YB(125, 10, 255)

Conversions

Conversions Part 1

Format	Color
Hex	7D0AFF
RGB	125, 10, 255
RGB Percent	49%, 4%, 100%
CMY	0.5098, 0.9608, 0.0000
CMYK	0.51, 0.96, 0.00, 0.00
HSL	268°, 100%, 52%
HSV	268°, 96%, 100%
XYZ	26.6160, 11.7971, 95.4820
YIQ	72.3150, -10.1050, 100.5750

Conversions

Conversions Part 2

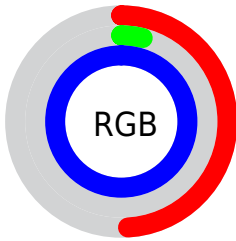
Format	Color
R_{YB}	125, 10, 255
Decimal	8194815
CIE _{Lab}	40.89, 81.90, -93.34
CIE _{LCh}	41, 124.177, 311.262
Yxy	11.7971, 0.1988, 0.0881
Android (android.graphics.Color)	4286384895 (0xFF7D0AFF)
YUV	72.3150, 90.0637, 46.2047
Hunter-Lab	34.3468, 78.2159, -140.7795

Details

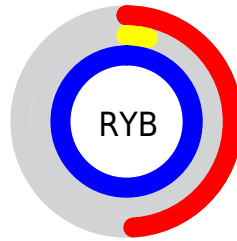
The RYB color **125, 10, 255** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **10, 255, 125**, and the grayscale version is **71, 71, 71**.

A 20% lighter version of the original color is **189, 85, 255**, and **51, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **120, 0, 255**, and if you desaturate by 10%, it is **139, 35, 255**.

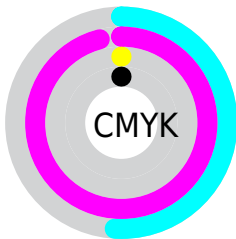
Distribution



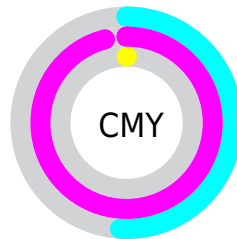
- Red (49%)
- Green (4%)
- Blue (100%)



- Red (49%)
- Yellow (4%)
- Blue (100%)



- Cyan (51%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)






















- Cyan (51%)
- Magenta (96%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the RYB color 125, 10, 255 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 125, 10, 255 by changing the saturation by 10% instead.


 125, 10, 255	 125, 10, 255
 255, 255, 255	 91, 0, 225
 189, 85, 255	 51, 0, 197
 221, 114, 255	 0, 0, 168
 252, 143, 255	 0, 0, 141
 255, 172, 255	 0, 0, 114
 255, 201, 255	 0, 11, 88
 255, 230, 255	 0, 6, 64
	 0, 3, 41
	 0, 1, 19

 125, 10, 255

 125, 10, 255

 120, 0, 255

 139, 35, 255


 152, 61, 255

 166, 87, 255

 179, 112, 255

 193, 138, 255

 206, 163, 255

 220, 189, 255

 233, 214, 255

 247, 240, 255

Harmonies

Analogous

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



0, 74, 255



125, 10, 255



233, 0, 165

Triad

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



125, 10, 255



168, 103, 0



0, 66, 134

Complementary

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



125, 10, 255



10, 255, 125

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, 112, 126



125, 10, 255



0, 105, 23

Square

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



125, 10, 255



228, 0, 0



0, 120, 120



0, 84, 233

Rectangle

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



125, 10, 255



255, 0, 98



0, 120, 120



0, 71, 127

Sweetspot

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



125, 10, 255



216, 181, 255



10, 95, 255



104, 83, 128



0, 0, 0



128, 128, 128

Same Dimension

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



125, 10, 255



120, 0, 255



247, 10, 255



121, 115, 128



90, 0, 191



30, 0, 64

Inverse Universe

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



255, 10, 140



255, 0, 135



10, 255, 247



128, 115, 122



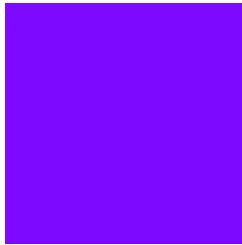
191, 0, 101



64, 0, 34

Previews

White Background



This preview shows how the RYB color 125, 10, 255 looks on a white background.

Color Contrast Check

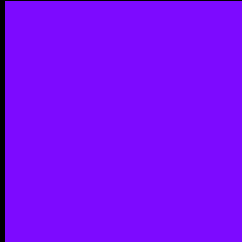
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 125, 10, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

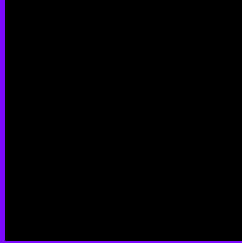
Any Text WCAG AA × Fail

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 125, 10, 255 Background



This preview shows how black text looks on a background with the RYB color 125, 10, 255.



This preview shows how white text looks on a background with the RYB color 125, 10, 255.

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

125, 10, 255

Protanopia

0, 64, 197

Deuteranopia

0, 63, 168



Tritanopia
82, 92, 107

Trichromacy



Original Color

125, 10, 255



Protanomaly

45, 61, 218



Deuteranomaly

45, 64, 200



Tritanomaly

98, 67, 161

Monochromacy



Original Color

125, 10, 255



Achromatopsia

72, 72, 72



Achromatomaly

91, 49, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 125, 10, 255 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(125, 10, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 10, 255)  
}
```

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(125, 10, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 10, 255) }
```

Border

The CSS property to change the border of an element to RYB 125, 10, 255 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(125, 10, 255) }
```

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

```
.border{ border-color:rgb(125, 10, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 10, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 10, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 10, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 10,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 125, 10, 255 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 10, 255) }
```

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

```
.background{ background-color: rgb(125, 10,  
255) }
```

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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