

Converting Colors

`RYB(93, 0, 255)`

Have a look what the booklet for
RYB(93, 0, 255) contains.

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Color

R_YB(93, 0, 255)

Conversions

Conversions Part 1

Format	Color
Hex	5D00FF
RGB	93, 0, 255
RGB Percent	36%, 0%, 100%
CMY	0.6353, 1.0000, 0.0000
CMYK	0.64, 1.00, 0.00, 0.00
HSL	262°, 100%, 50%
HSV	262°, 100%, 100%
XYZ	22.5642, 9.5472, 95.2613
YIQ	56.8770, -26.4270, 99.0210

Conversions

Conversions Part 2

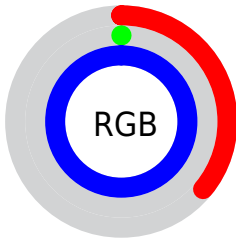
Format	Color
R _Y B	93, 0, 255
Decimal	6095103
CIE Lab	37.02, 81.08, -99.88
CIE LCh	37, 128.641, 309.068
Yxy	9.5472, 0.1772, 0.0750
Android (android.graphics.Color)	4284285183 (0xFF5D00FF)
YUV	56.8770, 97.6746, 31.6799
Hunter-Lab	30.8985, 76.2807, -161.1646

Details

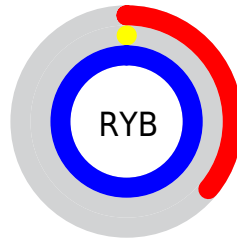
The RYB color **93, 0, 255** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **0, 255, 93**, and the grayscale version is **56, 56, 56**.

A 20% lighter version of the original color is **162, 78, 255**, and **0, 0, 196** is the 20% darker color. If you saturate the color by 10%, you get **93, 0, 255**, and if you desaturate by 10%, it is **109, 25, 255**.

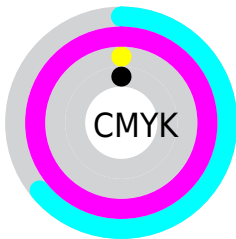
Distribution



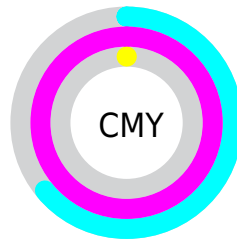
- Red (36%)
- Green (0%)
- Blue (100%)



- Red (36%)
- Yellow (0%)
- Blue (100%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)






















- Cyan (64%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RYB color 93, 0, 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 93, 0, 255 by changing the saturation by 10% instead.


 93, 0, 255	 93, 0, 255
255, 255, 255	 49, 0, 225
 162, 78, 255	 0, 0, 196
 195, 107, 255	 0, 0, 168
 227, 135, 255	 0, 0, 141
 255, 163, 255	 0, 2, 114
 255, 192, 255	 0, 11, 88
 255, 221, 255	 0, 6, 64
 255, 251, 255	 0, 3, 41
	 0, 1, 19


 93, 0, 255


 109, 25, 255


 125, 51, 255

 142, 77, 255

 158, 102, 255

 174, 128, 255

 190, 153, 255

 206, 179, 255

 223, 204, 255

 239, 230, 255

Harmonies

Analogous

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



0, 71, 255



93, 0, 255



221, 0, 164

Triad

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



93, 0, 255



162, 62, 0



0, 59, 118

Complementary

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



93, 0, 255



0, 255, 93

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, 115, 115



93, 0, 255



0, 94, 16

Square

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



93, 0, 255



221, 0, 0



0, 110, 110



0, 78, 221

Rectangle

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



93, 0, 255



246, 0, 96



0, 110, 110



0, 68, 116

Sweetspot

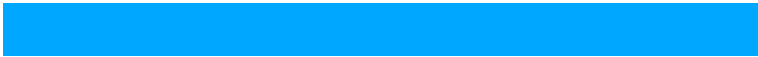
The Sweet Spot groups the original color and five complimentary colors.



93, 0, 255



206, 179, 255



0, 101, 255



98, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



93, 0, 255



217, 0, 255



119, 115, 128



70, 0, 191



23, 0, 64

Inverse Universe

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



255, 0, 162



0, 255, 217



128, 115, 123



191, 0, 121



64, 0, 40

Previews

White Background



This preview shows how the RYB color 93, 0, 255 looks on a white background.

Color Contrast Check

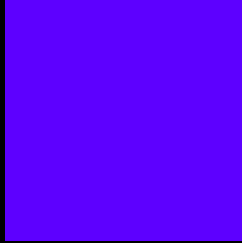
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 93, 0, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

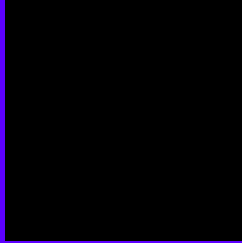
Any Text WCAG AA × Fail

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](#).

R_YB 93, 0, 255 Background



This preview shows how black text looks on a background with the R_YB color 93, 0, 255.

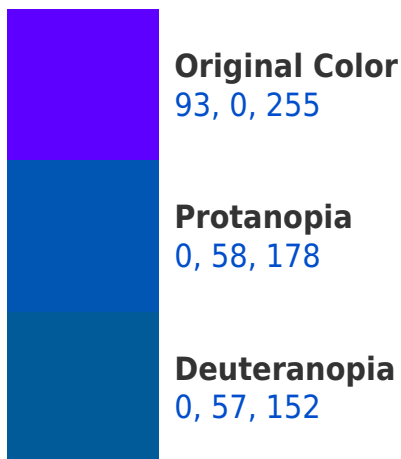


This preview shows how white text looks on a background with the R_YB color 93, 0, 255.

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





Tritanopia
0, 51, 105

Trichromacy



Original Color
93, 0, 255

Protanomaly
34, 52, 206

Deuteranomaly
34, 55, 189

Tritanomaly
34, 57, 160

Monochromacy



Original Color
93, 0, 255

Achromatopsia
57, 57, 57

Achromatomaly
70, 36, 129

CSS Examples

Text

The CSS property to change the color of the text to RYB 93, 0, 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(93, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 0, 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(93, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 0, 255) }
```

Border

The CSS property to change the border of an element to RYB 93, 0, 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(93, 0, 255) }
```

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

```
.border{ border-color:rgb(93, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(93, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to RYB 93, 0, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 0, 255) }
```

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

```
.background{ background-color: rgb(93, 0,  
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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