

Converting Colors

`RYB(37, 0, 250)`

Have a look what the booklet for
RYB(37, 0, 250) contains.

RYB(37, 0, 250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(37, 0, 250)`

Conversions

Conversions Part 1

Format	Color
Hex	2500FA
RGB	37, 0, 250
RGB Percent	15%, 0%, 98%
CMY	0.8549, 1.0000, 0.0196
CMYK	0.85, 1.00, 0.00, 0.02
HSL	249°, 100%, 49%
HSV	249°, 100%, 98%
XYZ	18.0183, 7.2954, 90.9010
YIQ	39.5630, -58.1980, 85.5940

Conversions

Conversions Part 2

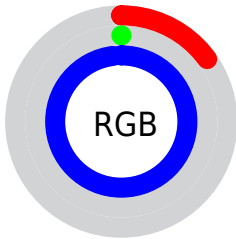
Format	Color
R_{YB}	37, 0, 250
Decimal	2425082
CIE _{Lab}	32.47, 78.31, -104.75
CIE _{LCh}	32, 130.785, 306.779
Yxy	7.2954, 0.1550, 0.0628
Android (android.graphics.Color)	4280615162 (0xFF2500FA)
YUV	39.5630, 103.7454, -2.2478
Hunter-Lab	27.0101, 71.8087, -180.6303

Details

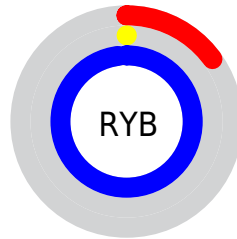
The RYB color **37, 0, 250** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **0, 250, 37**, and the grayscale version is **39, 39, 39**.

A 20% lighter version of the original color is **128, 72, 255**, and **0, 0, 192** is the 20% darker color. If you saturate the color by 10%, you get **37, 0, 250**, and if you desaturate by 10%, it is **58, 25, 250**.

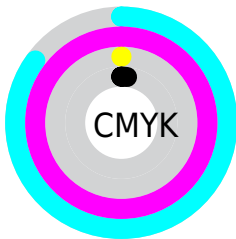
Distribution



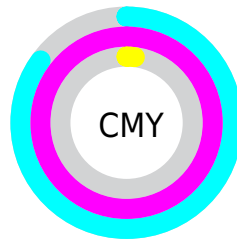
- Red (15%)
- Green (0%)
- Blue (98%)



- Red (15%)
- Yellow (0%)
- Blue (98%)



- Cyan (85%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)






















- Cyan (85%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 0, 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 37, 0, 250 by changing the saturation by 10% instead.


 37, 0, 250	 37, 0, 250
 255, 255, 255	 0, 0, 220
 128, 72, 255	 0, 0, 192
 163, 100, 255	 0, 0, 163
 196, 127, 255	 0, 0, 136
 229, 155, 255	 0, 14, 109
 255, 183, 255	 0, 10, 84
 255, 212, 255	 0, 5, 60
 255, 242, 255	 0, 2, 37
	 0, 1, 13


 37, 0, 250

 58, 25, 250


 80, 50, 250

 101, 75, 250

 122, 100, 250

 143, 125, 250

 165, 150, 250

 186, 175, 250

 207, 200, 250

 229, 225, 250

Harmonies

Analogous

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



0, 68, 255



37, 0, 250



203, 0, 161

Triad

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



37, 0, 250



154, 22, 0



0, 54, 105

Complementary

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



37, 0, 250



0, 250, 37

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, 102



37, 0, 250



0, 82, 9

Square

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



37, 0, 250



211, 0, 0



0, 97, 97



0, 71, 203

Rectangle

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



37, 0, 250



231, 0, 93



0, 97, 97



0, 65, 104

Sweetspot

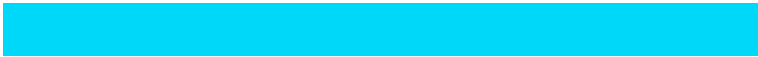
The Sweet Spot groups the original color and five complimentary colors.



37, 0, 250



190, 179, 255



0, 116, 250



88, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



37, 0, 250



38, 0, 255



158, 0, 250



114, 112, 125



28, 0, 189



9, 0, 61

Inverse Universe

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



250, 0, 213



255, 0, 217



0, 250, 158



125, 112, 123



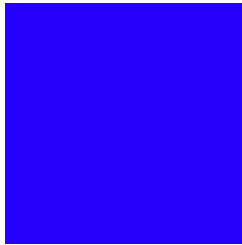
189, 0, 161



61, 0, 52

Previews

White Background



This preview shows how the RYB color 37, 0, 250 looks on a white background.

Color Contrast Check

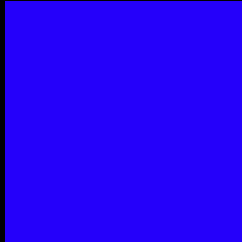
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 37, 0, 250 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 Y B 37, 0, 250 Background



This preview shows how black text looks on a background with the RYB color 37, 0, 250.



This preview shows how white text looks on a background with the RYB color 37, 0, 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


37, 0, 250

Protanopia

0, 51, 156

Deuteranopia

0, 50, 132



Tritanopia
0, 44, 90

Trichromacy



Original Color

37, 0, 250

Protanomaly

13, 42, 190

Deuteranomaly

13, 44, 175

Tritanomaly

13, 45, 148

Monochromacy



Original Color

37, 0, 250

Achromatopsia

40, 40, 40

Achromatomaly

39, 25, 116

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 0, 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(37, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(37, 0, 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(37, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 0, 250) }
```

Border

The CSS property to change the border of an element to RYB 37, 0, 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(37, 0, 250) }
```

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

```
.border{ border-color:rgb(37, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(37, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(37, 0, 250)  
}
```

Background

The CSS property to change the background color of an element to RYB 37, 0, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 0, 250) }
```

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

```
.background{ background-color: rgb(37, 0,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor