

Converting Colors

`RYB(38, 0, 240)`

Have a look what the booklet for
RYB(38, 0, 240) contains.

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Color

R_YB(38, 0, 240)

Conversions

Conversions Part 1

Format	Color
Hex	2600F0
RGB	38, 0, 240
RGB Percent	15%, 0%, 94%
CMY	0.8510, 1.0000, 0.0588
CMYK	0.84, 1.00, 0.00, 0.06
HSL	250°, 100%, 47%
HSV	250°, 100%, 94%
XYZ	16.5275, 6.7033, 82.8609
YIQ	38.7220, -54.3920, 82.6960

Conversions

Conversions Part 2

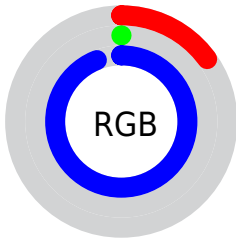
Format	Color
RYB	38, 0, 240
Decimal	2490608
CIELab	31.12, 75.97, -101.35
CIElCh	31, 126.662, 306.853
Yxy	6.7033, 0.1558, 0.0632
Android (android.graphics.Color)	4280680688 (0xFF2600F0)
YUV	38.7220, 99.2301, -0.6332
Hunter-Lab	25.8908, 68.6373, -171.6279

Details

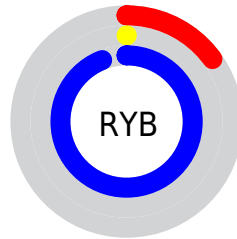
The RYB color **38, 0, 240** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **0, 240, 38**, and the grayscale version is **38, 38, 38**.

A 20% lighter version of the original color is **126, 70, 255**, and **0, 0, 182** is the 20% darker color. If you saturate the color by 10%, you get **38, 0, 240**, and if you desaturate by 10%, it is **58, 24, 240**.

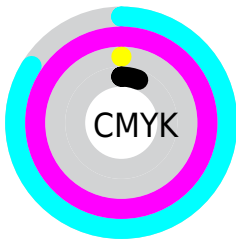
Distribution



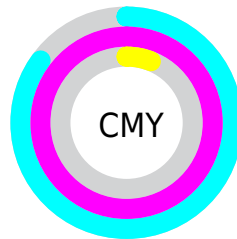
- Red (15%)
- Green (0%)
- Blue (94%)



- Red (15%)
- Yellow (0%)
- Blue (94%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)























- Cyan (85%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 38, 0, 240 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 38, 0, 240 by changing the saturation by 10% instead.

 38, 0, 240	 38, 0, 240
 255, 255, 255	 0, 0, 211
 126, 70, 255	 0, 0, 182
 160, 98, 255	 0, 0, 154
 193, 125, 255	 0, 0, 127
 226, 153, 255	 0, 14, 101
 255, 181, 255	 0, 8, 76
 255, 210, 255	 0, 4, 52
 255, 239, 255	 0, 2, 30
	 0, 0, 0

 38, 0, 240

 58, 24, 240

 78, 48, 240


 99, 72, 240

 119, 96, 240

 139, 120, 240

 159, 144, 240

 179, 168, 240

 200, 192, 240

 220, 216, 240

Harmonies

Analogous

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



0, 66, 255



38, 0, 240



195, 0, 154

Triad

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



38, 0, 240



148, 22, 0



0, 52, 101

Complementary

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



38, 0, 240



0, 240, 38

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, 98, 98



38, 0, 240



0, 78, 8

Square

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



38, 0, 240



202, 0, 0



0, 93, 93



0, 68, 195

Rectangle

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



38, 0, 240



222, 0, 89



0, 93, 93



0, 63, 100

Sweetspot

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



38, 0, 240



191, 179, 255



0, 110, 240



89, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



38, 0, 240



40, 0, 255



156, 0, 240



110, 108, 120



29, 0, 184



9, 0, 56

Inverse Universe

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



240, 0, 202



255, 0, 215



0, 240, 156



120, 108, 118



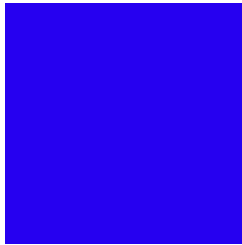
184, 0, 155



56, 0, 47

Previews

White Background



This preview shows how the RYB color 38, 0, 240 looks on a white background.

Color Contrast Check

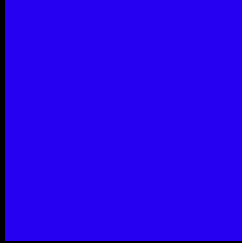
Large Text (above 18pt) WCAG AA ✓ Pass

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 38, 0, 240 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](#).

RYP 38, 0, 240 Background



This preview shows how black text looks on a background with the RYP color 38, 0, 240.



This preview shows how white text looks on a background with the RYP color 38, 0, 240.

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
38, 0, 240

Protanopia
0, 49, 150

Deuteranopia
0, 48, 127



Tritanopia

0, 42, 86

Trichromacy



Original Color

38, 0, 240

Protanomaly

14, 41, 183

Deuteranomaly

14, 43, 168

Tritanomaly

14, 44, 142

Monochromacy



Original Color

38, 0, 240

Achromatopsia

39, 39, 39

Achromatomaly

39, 25, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 38, 0, 240 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(38, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(38, 0, 240)  
}
```

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(38, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 0, 240) }
```

Border

The CSS property to change the border of an element to RYB 38, 0, 240 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(38, 0, 240) }
```

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

```
.border{ border-color:rgb(38, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(38, 0, 240)  
}
```

Background

The CSS property to change the background color of an element to RYB 38, 0, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 0, 240) }
```

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

```
.background{ background-color: rgb(38, 0,  
240) }
```

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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