

Converting Colors

`RYB(72, 0, 255)`

Have a look what the booklet for
RYB(72, 0, 255) contains.

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Color

R_YB(72, 0, 255)

Conversions

Conversions Part 1

Format	Color
Hex	4800FF
RGB	72, 0, 255
RGB Percent	28%, 0%, 100%
CMY	0.7176, 1.0000, 0.0000
CMYK	0.72, 1.00, 0.00, 0.00
HSL	257°, 100%, 50%
HSV	257°, 100%, 100%
XYZ	20.7225, 8.5977, 95.1751
YIQ	50.5980, -38.9430, 94.5690

Conversions

Conversions Part 2

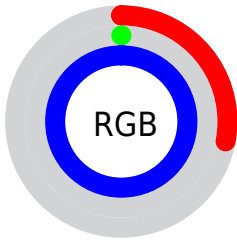
Format	Color
R_{YB}	72, 0, 255
Decimal	4718847
CIE _{Lab}	35.20, 80.25, -102.96
CIE _{LCh}	35, 130.539, 307.936
Yxy	8.5977, 0.1665, 0.0691
Android (android.graphics.Color)	4282908927 (0xFF4800FF)
YUV	50.5980, 100.7702, 18.7696
Hunter-Lab	29.3219, 74.8371, -171.9225

Details

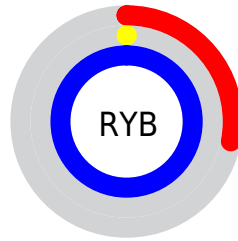
The RYB color **72, 0, 255** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **0, 255, 72**, and the grayscale version is **50, 50, 50**.

A 20% lighter version of the original color is **148, 75, 255**, and **0, 0, 196** is the 20% darker color. If you saturate the color by 10%, you get **72, 0, 255**, and if you desaturate by 10%, it is **90, 25, 255**.

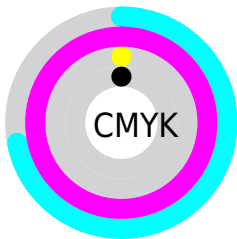
Distribution



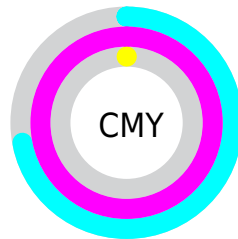
- Red (28%)
- Green (0%)
- Blue (100%)



- Red (28%)
- Yellow (0%)
- Blue (100%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)






















- Cyan (72%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 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 72, 0, 255 by changing the saturation by 10% instead.

 72, 0, 255	 72, 0, 255
 255, 255, 255	 0, 0, 225
 148, 75, 255	 0, 0, 196
 181, 104, 255	 0, 0, 168
 214, 132, 255	 0, 0, 140
 246, 160, 255	 0, 8, 114
 255, 189, 255	 0, 11, 88
 255, 218, 255	 0, 6, 64
 255, 247, 255	 0, 3, 41
	 0, 1, 18

 72, 0, 255


 90, 25, 255


 109, 51, 255

 127, 77, 255

 145, 102, 255

 163, 128, 255

 182, 153, 255

 200, 179, 255

 218, 204, 255

 237, 230, 255

Harmonies

Analogous

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



0, 70, 255



72, 0, 255



214, 0, 164

Triad

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



72, 0, 255



160, 45, 0



0, 57, 112

Complementary

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



72, 0, 255



0, 255, 72

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, 109, 109



72, 0, 255



0, 89, 13

Square

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



72, 0, 255



218, 0, 0



0, 105, 105



0, 76, 214

Rectangle

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



72, 0, 255



241, 0, 96



0, 105, 105



0, 67, 111

Sweetspot

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



72, 0, 255



200, 179, 255



0, 108, 255



95, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



72, 0, 255



195, 0, 255



118, 115, 128



54, 0, 191



18, 0, 64

Inverse Universe

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



255, 0, 183



0, 255, 195



128, 115, 124



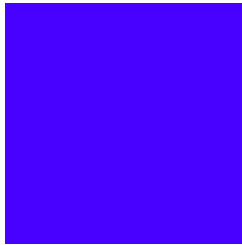
191, 0, 137



64, 0, 46

Previews

White Background



This preview shows how the RYB color 72, 0, 255 looks on a white background.

Color Contrast Check

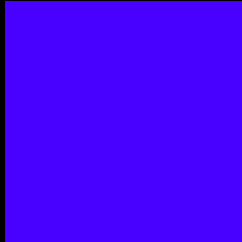
Large Text (above 18pt) WCAG AA ✓ Pass

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 72, 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 Y B 72, 0, 255 Background



This preview shows how black text looks on a background with the RYB color 72, 0, 255.



This preview shows how white text looks on a background with the RYB color 72, 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



Original Color


72, 0, 255

Protanopia

0, 55, 169

Deuteranopia

0, 54, 144



Tritanopia
0, 48, 98

Trichromacy



Original Color

72, 0, 255

Protanomaly

26, 49, 200

Deuteranomaly

26, 51, 184

Tritanomaly

26, 52, 155

Monochromacy



Original Color

72, 0, 255

Achromatopsia

51, 51, 51

Achromatomaly

59, 32, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 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(72, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 0, 255) }
```

Border

The CSS property to change the border of an element to RYB 72, 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(72, 0, 255) }
```

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

```
.border{ border-color:rgb(72, 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(72, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to RYB 72, 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(72, 0, 255) }
```

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

```
.background{ background-color: rgb(72, 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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