

Converting Colors

R_YB(70, 37, 217)

Have a look what the booklet for
RYB(70, 37, 217) contains.

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Color

R_YB(70, 37, 217)

Conversions

Conversions Part 1

Format	Color
Hex	4625D9
RGB	70, 37, 217
RGB Percent	27%, 15%, 85%
CMY	0.7255, 0.8549, 0.1490
CMYK	0.68, 0.83, 0.00, 0.15
HSL	251°, 71%, 50%
HSV	251°, 83%, 85%
XYZ	15.7117, 7.6350, 66.2912
YIQ	67.3870, -38.1120, 62.9760

Conversions

Conversions Part 2

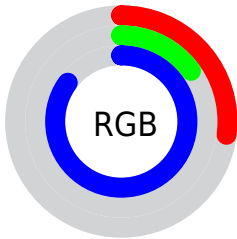
Format	Color
R _Y B	70, 37, 217
Decimal	4597209
CIE Lab	33.21, 62.29, -84.66
CIE LCh	33, 105.112, 306.345
Yxy	7.6350, 0.1753, 0.0852
Android (android.graphics.Color)	4282787289 (0xFF4625D9)
YUV	67.3870, 73.7592, 2.2916
Hunter-Lab	27.6315, 53.1432, -122.9019

Details

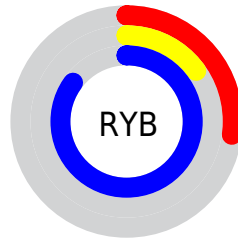
The RYB color **70, 37, 217** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **37, 217, 70**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **138, 89, 255**, and **0, 0, 160** is the 20% darker color. If you saturate the color by 10%, you get **52, 15, 217**, and if you desaturate by 10%, it is **88, 59, 217**.

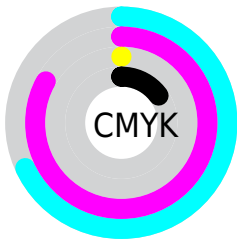
Distribution



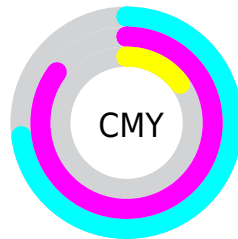
- Red (27%)
- Green (15%)
- Blue (85%)



- Red (27%)
- Yellow (15%)
- Blue (85%)



- Cyan (68%)
- Magenta (83%)
- Yellow (0%)
- Black (15%)





















- Cyan (73%)
- Magenta (85%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 70, 37, 217 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 70, 37, 217 by changing the saturation by 10% instead.

 70, 37, 217	 70, 37, 217
 255, 255, 255	 18, 4, 188
 138, 89, 255	 0, 0, 160
 169, 116, 255	 0, 0, 133
 200, 143, 255	 0, 0, 107
 231, 170, 255	 0, 10, 81
 255, 198, 255	 0, 5, 57
 255, 227, 255	 0, 2, 35
	 0, 0, 10
	 0, 0, 0

■ 70, 37, 217

■ 70, 37, 217

■ 52, 15, 217

■ 88, 59, 217

■ 40, 0, 217

■ 105, 80, 217

■ 123, 102, 217

■ 141, 124, 217

■ 159, 146, 217

■ 176, 167, 217

■ 194, 189, 217

■ 212, 211, 217

■ 217, 232, 220

Harmonies

Analogous

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



0, 66, 251



70, 37, 217



182, 0, 147

Triad

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



70, 37, 217



146, 57, 0



0, 54, 104

Complementary

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



70, 37, 217



37, 217, 70

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



70, 37, 217



0, 82, 2

Square

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



70, 37, 217



192, 0, 0



0, 97, 97



0, 67, 178

Rectangle

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



70, 37, 217



206, 0, 93



0, 97, 97



0, 63, 103

Sweetspot

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



70, 37, 217



203, 191, 255



37, 118, 217



96, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

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



70, 37, 217



47, 0, 255



160, 37, 217



101, 99, 110



32, 0, 173



8, 0, 46

Inverse Universe

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



217, 37, 184



255, 0, 208



37, 217, 160



110, 99, 108



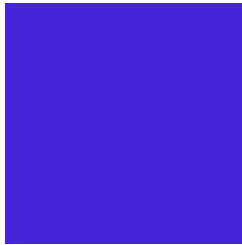
173, 0, 142



46, 0, 37

Previews

White Background



This preview shows how the RYB color 70, 37, 217 looks on a white background.

Color Contrast Check

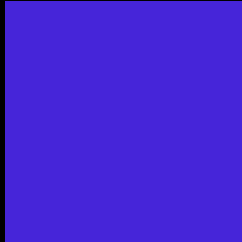
Large Text (above 18pt) WCAG AA ✓ Pass

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 70, 37, 217 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 70, 37, 217 Background



This preview shows how black text looks on a background with the R_YB color 70, 37, 217.

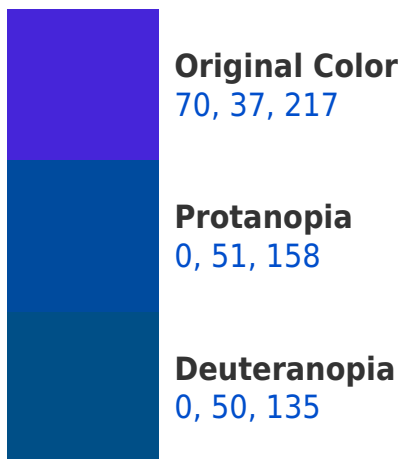



This preview shows how white text looks on a background with the R_YB color 70, 37, 217.

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, 44, 92

Trichromacy



Original Color

70, 37, 217

Protanomaly

25, 54, 179

Deuteranomaly

25, 56, 165

Tritanomaly

25, 56, 137

Monochromacy



Original Color

70, 37, 217

Achromatopsia

67, 67, 67

Achromatomaly

68, 56, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 37, 217 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(70, 37, 217)` looks like.

```
.text, #text, p{  
    color:rgb(70, 37, 217)  
}
```

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(70, 37, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 37, 217) }
```

Border

The CSS property to change the border of an element to RYB 70, 37, 217 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(70, 37, 217) }
```

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

```
.border{ border-color:rgb(70, 37, 217) }
```

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

Here you see how a box with a 4 pixel rgb(70, 37, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 37, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 37, 217);  
box-shadow:4px 4px 4px 4px rgb(70, 37,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 70, 37, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 37, 217) }
```

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

```
.background{ background-color: rgb(70, 37,  
217) }
```

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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