

Converting Colors

`RYB(37, 92, 234)`

Have a look what the booklet for
RYB(37, 92, 234) contains.

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Color

R_YB(37, 92, 234)

Conversions

Conversions Part 1

Format	Color
Hex	2571EA
RGB	37, 113, 234
RGB Percent	15%, 44%, 92%
CMY	0.8549, 0.5557, 0.0824
CMYK	0.84, 0.52, 0.00, 0.08
HSL	217°, 82%, 53%
HSV	217°, 84%, 92%
XYZ	21.5532, 18.2118, 80.2211
YIQ	104.0700, -84.1370, 21.5190

Conversions

Conversions Part 2

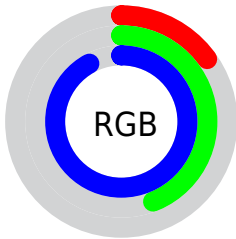
Format	Color
RYB	37, 92, 234
Decimal	2453994
CIELab	49.75, 21.49, -67.27
CIELCh	50, 70.620, 287.715
Yxy	18.2118, 0.1796, 0.1518
Android (android.graphics.Color)	4280644074 (0xFF2571EA)
YUV	104.0700, 64.0555, -58.8204
Hunter-Lab	42.6752, 15.4700, -81.5810

Details

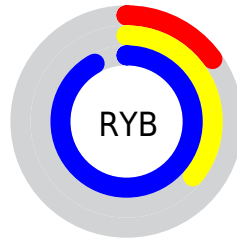
The RYB color **37, 92, 234** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **161, 234, 37**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **117, 152, 255**, and **0, 48, 177** is the 20% darker color. If you saturate the color by 10%, you get **14, 75, 234**, and if you desaturate by 10%, it is **60, 109, 234**.

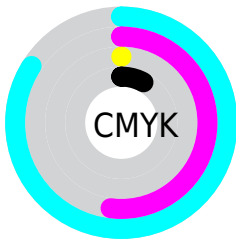
Distribution



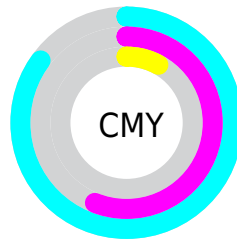
- Red (15%)
- Green (44%)
- Blue (92%)



- Red (15%)
- Yellow (36%)
- Blue (92%)



- Cyan (84%)
- Magenta (52%)
- Yellow (0%)
- Black (8%)




















- Cyan (85%)
- Magenta (56%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 37, 92, 234 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, 92, 234 by changing the saturation by 10% instead.

 37, 92, 234	 37, 92, 234
 255, 255, 255	 0, 62, 205
 117, 152, 255	 0, 49, 177
 149, 179, 255	 0, 35, 150
 181, 206, 255	 0, 22, 123
 212, 231, 255	 0, 0, 98
 243, 249, 255	 0, 8, 73
	 0, 4, 49
	 0, 1, 27
	 0, 0, 0

■ 37, 92, 234

■ 37, 92, 234

■ 14, 75, 234

■ 60, 109, 234

■ 0, 66, 234

■ 84, 126, 234

■ 107, 142, 234

■ 131, 160, 234

■ 154, 176, 234

■ 177, 193, 234

■ 201, 210, 234

■ 224, 227, 234

■ 245, 248, 234

Harmonies

Analogous

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



0, 85, 237



37, 92, 234



164, 83, 200

Triad

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



37, 92, 234



203, 99, 27



0, 87, 143

Complementary

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



37, 92, 234



161, 234, 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.



16, 130, 138



37, 92, 234



87, 164, 0

Square

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



37, 92, 234



222, 47, 86



0, 126, 16



0, 74, 153

Rectangle

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



37, 92, 234



200, 60, 165



0, 126, 16



0, 95, 142

Sweetspot

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



37, 92, 234



191, 209, 255



37, 160, 234



89, 100, 128



0, 0, 0



128, 128, 128

Same Dimension

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



37, 92, 234



0, 71, 255



57, 37, 234



106, 109, 117



0, 50, 181



0, 15, 54

Inverse Universe

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



234, 37, 113



255, 0, 99



37, 234, 57



117, 106, 110



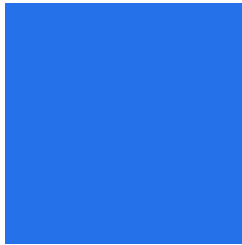
181, 0, 70



54, 0, 21

Previews

White Background



This preview shows how the RYB color 37, 92, 234 looks on a white background.

Color Contrast Check

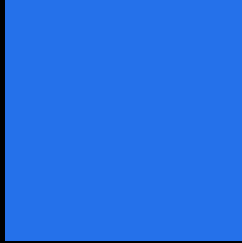
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 37, 92, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

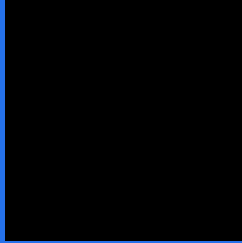
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

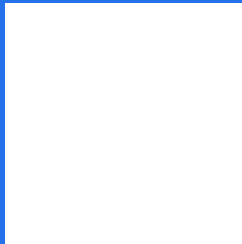
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 37, 92, 234 Background



This preview shows how black text looks on a background with the R Y B color 37, 92, 234.



This preview shows how white text looks on a background with the R Y B color 37, 92, 234.

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, 67, 139

Trichromacy



Original Color

37, 92, 234

Protanomaly

37, 92, 234

Deuteranomaly

13, 82, 218

Tritanomaly

13, 79, 174

Monochromacy



Original Color

37, 92, 234

Achromatopsia

104, 104, 104

Achromatomaly

80, 100, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 37, 92, 234 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, 113, 234)` looks like.

```
.text, #text, p{  
    color:rgb(37, 113, 234)  
}
```

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, 113, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 113, 234) }
```

Border

The CSS property to change the border of an element to RYB 37, 92, 234 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, 113, 234) }
```

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

```
.border{ border-color:rgb(37, 113, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 113, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 113, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 113, 234);  
box-shadow:4px 4px 4px 4px rgb(37, 113,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 37, 92, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 113, 234) }
```

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

```
.background{ background-color: rgb(37, 113,  
234) }
```

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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