

Converting Colors

`RYB(75, 137, 234)`

Have a look what the booklet for
RYB(75, 137, 234) contains.

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Color

`RYB(75, 137, 234)`

Conversions

Conversions Part 1

Format	Color
Hex	4BB1EA
RGB	75, 177, 234
RGB Percent	29%, 69%, 92%
CMY	0.7059, 0.3073, 0.0824
CMYK	0.68, 0.25, 0.00, 0.08
HSL	202°, 79%, 61%
HSV	202°, 68%, 92%
XYZ	33.4019, 38.7342, 83.5579
YIQ	153.0000, -79.0890, -3.8970

Conversions

Conversions Part 2

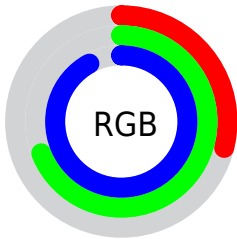
Format	Color
RYB	75, 137, 234
Decimal	4960746
CIELab	68.56, -11.63, -37.32
CIElCh	69, 39.088, 252.686
Yxy	38.7342, 0.2145, 0.2488
Android (android.graphics.Color)	4283150826 (0xFF4BB1EA)
YUV	153.0000, 39.9330, -68.4060
Hunter-Lab	62.2368, -13.1153, -36.0358

Details

The RYB color **75, 137, 234** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **234, 164, 75**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **140, 191, 255**, and **0, 73, 178** is the 20% darker color. If you saturate the color by 10%, you get **52, 123, 234**, and if you desaturate by 10%, it is **98, 151, 234**.

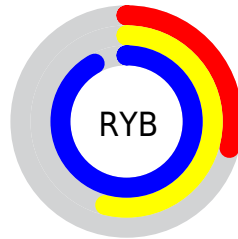
Distribution



Red (29%)

Green (69%)

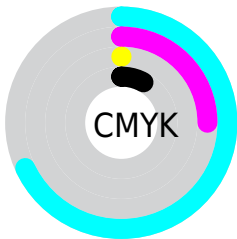
Blue (92%)



Red (29%)

Yellow (54%)

Blue (92%)

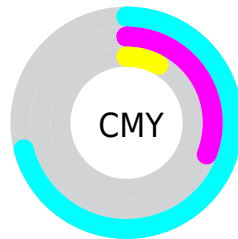


Cyan (68%)

Magenta (25%)

Yellow (0%)

Black (8%)



Cyan (71%)


Magenta (31%)

Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the RYB color 75, 137, 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 75, 137, 234 by changing the saturation by 10% instead.

 75, 137, 234


255, 255, 255


 140, 191, 255

 170, 213, 255

 200, 228, 255

 231, 243, 255

 75, 137, 234

 32, 102, 206

 0, 73, 178

 0, 60, 151

 0, 47, 125

 0, 35, 100

 0, 22, 75

 0, 5, 53

 0, 2, 30

 0, 0, 1

■ 75, 137, 234

■ 75, 137, 234

■ 52, 123, 234

■ 98, 151, 234

■ 28, 108, 234

■ 122, 166, 234

■ 5, 94, 234

■ 145, 180, 234

■ 0, 91, 234

■ 169, 194, 234

■ 192, 208, 234

■ 215, 222, 234

■ 239, 237, 234

■ 255, 253, 234

■ 236, 255, 234

Harmonies

Analogous

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



0, 99, 214



75, 137, 234



140, 160, 236

Triad

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



75, 137, 234



236, 140, 153



114, 179, 157

Complementary

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



75, 137, 234



234, 164, 75

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.



102, 175, 97



75, 137, 234



230, 153, 121

Square

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



75, 137, 234



223, 142, 189



193, 208, 100



91, 151, 185

Rectangle

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



75, 137, 234



175, 157, 227



193, 208, 100



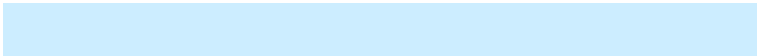
106, 176, 132

Sweetspot

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



75, 137, 234



204, 224, 255



75, 193, 234



97, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 137, 234



46, 128, 255



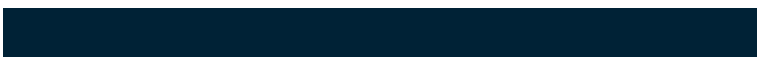
75, 96, 234



106, 110, 117



0, 71, 181



0, 21, 54

Inverse Universe

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



234, 75, 177



255, 46, 180



103, 234, 75



117, 106, 113



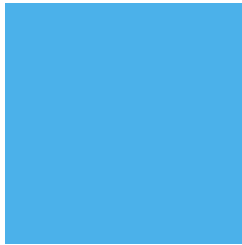
181, 0, 116



54, 0, 34

Previews

White Background



This preview shows how the RYB color 75, 137, 234 looks on a white background.

Color Contrast Check

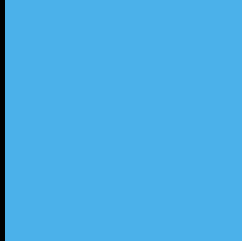
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 75, 137, 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

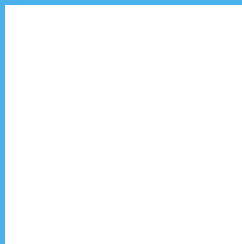
Any Text WCAG AAA ✓ Pass

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

RYB 75, 137, 234 Background



This preview shows how black text looks on a background with the RYB color 75, 137, 234.

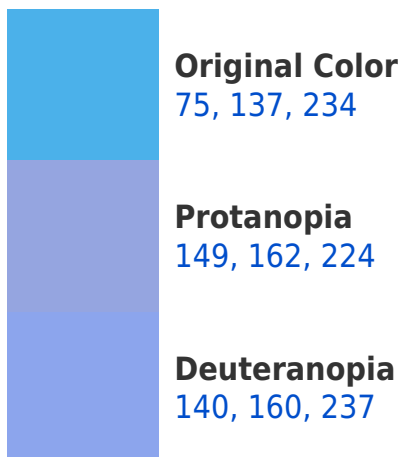


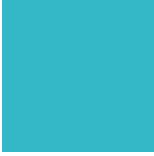
This preview shows how white text looks on a background with the RYB color 75, 137, 234.

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
52, 121, 198

Trichromacy



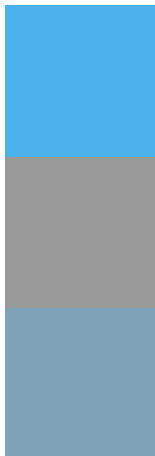
Original Color
75, 137, 234

Protanomaly
122, 155, 228

Deuteranomaly
116, 153, 236

Tritanomaly
60, 127, 211

Monochromacy



Original Color
75, 137, 234

Achromatopsia
153, 153, 153

Achromatomaly
125, 147, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 137, 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(75, 177, 234)` looks like.

```
.text, #text, p{  
    color:rgb(75, 177, 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(75, 177, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 177, 234) }
```

Border

The CSS property to change the border of an element to RYB 75, 137, 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(75, 177, 234) }
```

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

```
.border{ border-color:rgb(75, 177, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 177, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 177, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 177, 234);  
box-shadow:4px 4px 4px 4px rgb(75, 177,  
234) }
```

Background

The CSS property to change the background color of an element to RGB 75, 137, 234 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 177, 234) }
```

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

```
.background{ background-color: rgb(75, 177,  
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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