

Converting Colors

`RYB(75, 138, 240)`

Have a look what the booklet for
RYB(75, 138, 240) contains.

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Color

`RYB(75, 138, 240)`

Conversions

Conversions Part 1

Format	Color
Hex	4BB1F0
RGB	75, 177, 240
RGB Percent	29%, 69%, 94%
CMY	0.7059, 0.3062, 0.0588
CMYK	0.69, 0.26, 0.00, 0.06
HSL	203°, 85%, 62%
HSV	203°, 69%, 94%
XYZ	34.3345, 39.1966, 88.1941
YIQ	153.6840, -81.0150, -2.0310

Conversions

Conversions Part 2

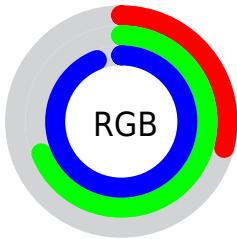
Format	Color
R _Y B	75, 138, 240
Decimal	4960752
CIE Lab	68.89, -9.82, -40.07
CIE LCh	69, 41.252, 256.224
Yxy	39.1966, 0.2123, 0.2424
Android (android.graphics.Color)	4283150832 (0xFF4BB1F0)
YUV	153.6840, 42.5538, -69.0059
Hunter-Lab	62.6072, -11.6709, -39.6963

Details

The RYB color **75, 138, 240** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **240, 177, 75**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **140, 191, 255**, and **0, 74, 184** is the 20% darker color. If you saturate the color by 10%, you get **51, 123, 240**, and if you desaturate by 10%, it is **99, 153, 240**.

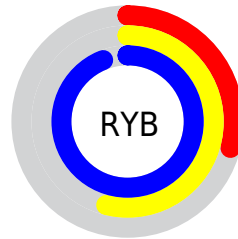
Distribution



Red (29%)

Green (69%)

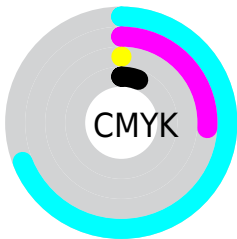
Blue (94%)



Red (29%)

Yellow (54%)

Blue (94%)

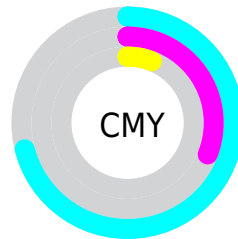


Cyan (69%)

Magenta (26%)

Yellow (0%)

Black (6%)



Cyan (71%)

















Magenta (31%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 138, 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 75, 138, 240 by changing the saturation by 10% instead.

 75, 138, 240	 75, 138, 240
 255, 255, 255	 30, 102, 211
 140, 191, 255	 0, 74, 184
 171, 213, 255	 0, 61, 157
 202, 229, 255	 0, 48, 130
 232, 244, 255	 0, 36, 105
	 0, 23, 80
	 0, 5, 57
	 0, 2, 35
	 0, 0, 9

■ 75, 138, 240

■ 75, 138, 240

■ 51, 123, 240

■ 99, 153, 240

■ 27, 108, 240

■ 123, 168, 240

■ 3, 93, 240

■ 147, 182, 240

■ 0, 92, 240

■ 171, 197, 240

■ 195, 212, 240

■ 219, 227, 240

■ 243, 242, 240

■ 248, 255, 240

■ 240, 255, 240

Harmonies

Analogous

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



0, 101, 221



75, 138, 240



146, 162, 240

Triad

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



75, 138, 240



240, 139, 149



115, 181, 166

Complementary

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



75, 138, 240



240, 177, 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.



95, 172, 95



75, 138, 240



231, 158, 116

Square

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



75, 138, 240



230, 140, 187



176, 207, 95



79, 145, 187

Rectangle

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



75, 138, 240



182, 155, 228



176, 207, 95



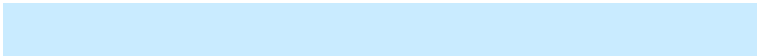
106, 179, 140

Sweetspot

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



75, 138, 240



201, 222, 255



75, 195, 240



96, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 138, 240



43, 124, 255



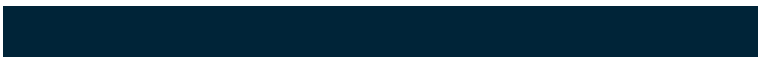
75, 94, 240



108, 112, 120



0, 70, 184



0, 22, 56

Inverse Universe

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



240, 75, 177



255, 43, 174



100, 240, 75



120, 108, 115



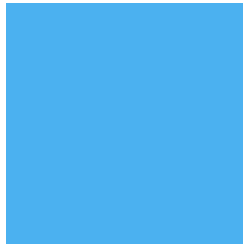
184, 0, 113



56, 0, 35

Previews

White Background



This preview shows how the RYB color 75, 138, 240 looks on a white background.

Color Contrast Check

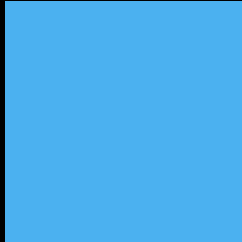
Large Text (above 18pt) WCAG AA × Fail

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, 138, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

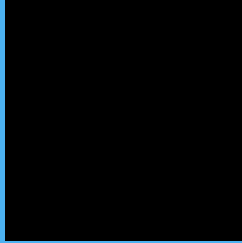
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

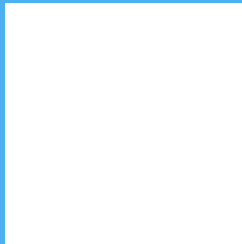
Any Text WCAG AAA ✓ Pass

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

R Y B 75, 138, 240 Background



This preview shows how black text looks on a background with the R Y B color 75, 138, 240.

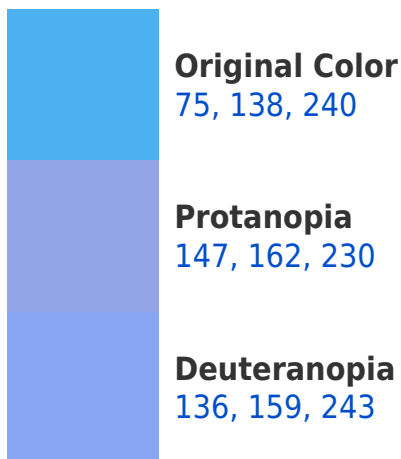


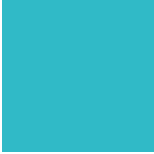
This preview shows how white text looks on a background with the R Y B color 75, 138, 240.

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





Tritanopia
48, 120, 199

Trichromacy



Original Color
75, 138, 240

Protanomaly
121, 155, 234

Deuteranomaly
114, 153, 242

Tritanomaly
58, 127, 214

Monochromacy



Original Color
75, 138, 240

Achromatopsia
154, 154, 154

Achromatomaly
125, 148, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 138, 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(75, 177, 240)` looks like.

```
.text, #text, p{  
    color:rgb(75, 177, 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(75, 177, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 177, 240) }
```

Border

The CSS property to change the border of an element to RYB 75, 138, 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(75, 177, 240) }
```

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

```
.border{ border-color:rgb(75, 177, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 177, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 177, 240);  
box-shadow:4px 4px 4px 4px rgb(75, 177,  
240) }
```

Background

The CSS property to change the background color of an element to RGB 75, 138, 240 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, 240) }
```

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

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