

Converting Colors

`RYB(62, 138, 244)`

Have a look what the booklet for
RYB(62, 138, 244) contains.

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Color

R_YB(62, 138, 244)

Conversions

Conversions Part 1

Format	Color
Hex	3EC0F4
RGB	62, 192, 244
RGB Percent	24%, 75%, 96%
CMY	0.7569, 0.2451, 0.0431
CMYK	0.75, 0.21, 0.00, 0.04
HSL	197°, 89%, 60%
HSV	197°, 75%, 96%
XYZ	37.2733, 45.4709, 92.4002
YIQ	159.0580, -94.1720, -11.3880

Conversions

Conversions Part 2

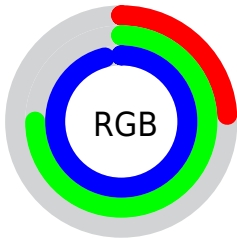
Format	Color
R _{YB}	62, 138, 244
Decimal	4112628
CIE _{Lab}	73.20, -18.51, -35.56
CIE _{LCh}	73, 40.085, 242.503
Yxy	45.4709, 0.2128, 0.2596
Android (android.graphics.Color)	4282302708 (0xFF3EC0F4)
YUV	159.0580, 41.8764, -85.1199
Hunter-Lab	67.4321, -19.3398, -34.0409

Details

The RYB color **62, 138, 244** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **244, 135, 62**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **133, 192, 255**, and **0, 80, 188** is the 20% darker color. If you saturate the color by 10%, you get **38, 124, 244**, and if you desaturate by 10%, it is **86, 152, 244**.

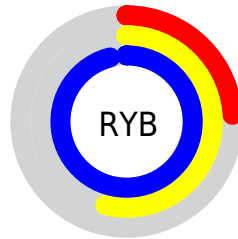
Distribution



Red (24%)

Green (75%)

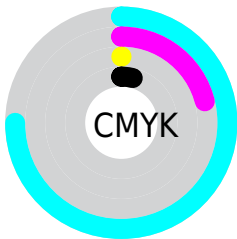
Blue (96%)



Red (24%)

Yellow (54%)

Blue (96%)

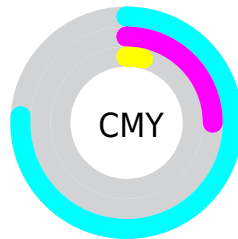


Cyan (75%)

Magenta (21%)

Yellow (0%)

Black (4%)



Cyan (76%)

















Magenta (25%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 62, 138, 244 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 62, 138, 244 by changing the saturation by 10% instead.

 62, 138, 244	 62, 138, 244
 255, 255, 255	 0, 93, 215
 133, 192, 255	 0, 80, 188
 165, 210, 255	 0, 66, 160
 196, 226, 255	 0, 53, 134
 227, 241, 255	 0, 41, 108
	 0, 28, 84
	 0, 17, 60
	 0, 3, 38
	 0, 1, 15

■ 62, 138, 244

■ 62, 138, 244

■ 38, 124, 244

■ 86, 152, 244

■ 13, 110, 244

■ 111, 166, 244

■ 0, 102, 244

■ 135, 180, 244

■ 160, 195, 244

■ 184, 209, 244

■ 208, 223, 244

■ 233, 238, 244

■ 255, 250, 244

■ 244, 255, 244

Harmonies

Analogous

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



0, 104, 218



62, 138, 244



131, 167, 253

Triad

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



62, 138, 244



249, 151, 178



116, 189, 143

Complementary

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



62, 138, 244



244, 135, 62

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.



135, 201, 106



62, 138, 244



249, 157, 142

Square

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



62, 138, 244



229, 157, 214



231, 206, 115



118, 176, 196

Rectangle

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



62, 138, 244



170, 174, 247



231, 206, 115



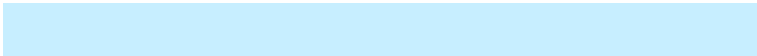
111, 186, 121

Sweetspot

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



62, 138, 244



199, 222, 255



62, 205, 244



94, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



62, 138, 244



25, 121, 255



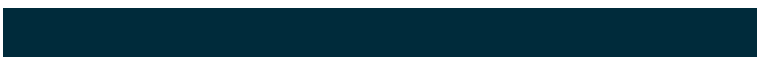
62, 96, 244



110, 115, 122



0, 78, 186



0, 25, 59

Inverse Universe

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



244, 62, 192



255, 25, 190



117, 244, 62



122, 110, 119



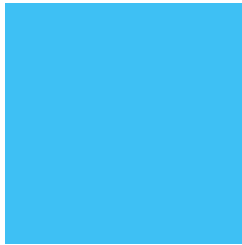
186, 0, 133



59, 0, 42

Previews

White Background



This preview shows how the RYB color 62, 138, 244 looks on a white background.

Color Contrast Check

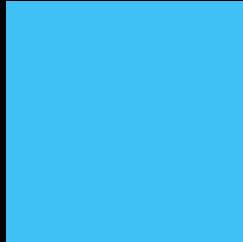
Large Text (above 18pt) WCAG AA × Fail

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 62, 138, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

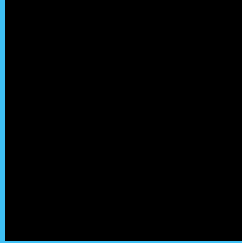
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

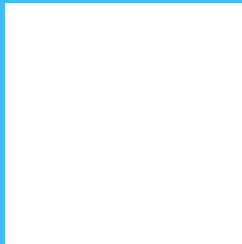
Any Text WCAG AAA ✓ Pass

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

RYB 62, 138, 244 Background



This preview shows how black text looks on a background with the RYB color 62, 138, 244.

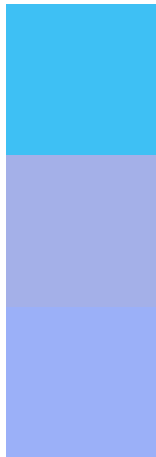


This preview shows how white text looks on a background with the RYB color 62, 138, 244.

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](#).

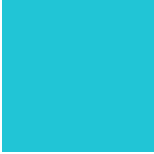
Dichromacy



Original Color
62, 138, 244

Protanopia
164, 174, 232

Deuteranopia
155, 172, 248



Tritanopia
33, 119, 214

Trichromacy



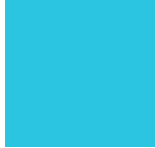
Original Color
62, 138, 244



Protanomaly
127, 164, 236



Deuteranomaly
121, 162, 247



Tritanomaly
44, 127, 225

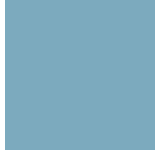
Monochromacy



Original Color
62, 138, 244



Achromatopsia
159, 159, 159



Achromatomaly
124, 151, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 62, 138, 244 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(62, 192, 244)` looks like.

```
.text, #text, p{  
    color:rgb(62, 192, 244)  
}
```

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(62, 192, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 192, 244) }
```

Border

The CSS property to change the border of an element to RYB 62, 138, 244 is called "border". The border property can be set on classes, ids or directly on the HTML element.

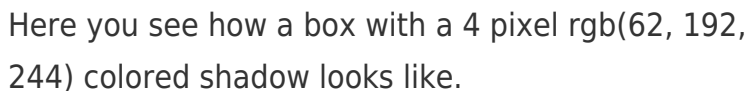
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(62, 192, 244) }
```

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

```
.border{ border-color:rgb(62, 192, 244) }
```

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



Here you see how a box with a 4 pixel rgb(62, 192, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 192, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 192, 244);  
box-shadow:4px 4px 4px 4px rgb(62, 192,  
244) }
```

Background

The CSS property to change the background color of an element to RGB 62, 138, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 192, 244) }
```

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

```
.background{ background-color: rgb(62, 192,  
244) }
```

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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