

Converting Colors

`RYB(68, 140, 238)`

Have a look what the booklet for
RYB(68, 140, 238) contains.

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Color

`RYB(68, 140, 238)`

Conversions

Conversions Part 1

Format	Color
Hex	44C1EE
RGB	68, 193, 238
RGB Percent	27%, 76%, 93%
CMY	0.7333, 0.2435, 0.0667
CMYK	0.71, 0.19, 0.00, 0.07
HSL	196°, 83%, 60%
HSV	196°, 71%, 93%
XYZ	36.8639, 45.4968, 87.7277
YIQ	160.7550, -88.9450, -12.5050

Conversions

Conversions Part 2

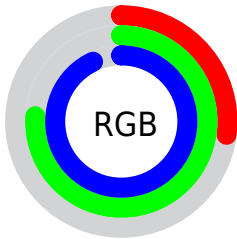
Format	Color
R _Y B	68, 140, 238
Decimal	4506094
CIE Lab	73.22, -19.93, -32.28
CIE LCh	73, 37.934, 238.315
Yxy	45.4968, 0.2167, 0.2675
Android (android.graphics.Color)	4282696174 (0xFF44C1EE)
YUV	160.7550, 38.0818, -81.3461
Hunter-Lab	67.4513, -20.4849, -29.8971

Details

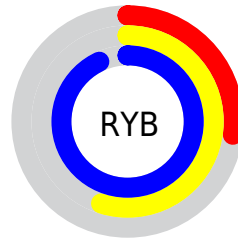
The RYB color **68, 140, 238** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **238, 129, 68**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **136, 194, 255**, and **0, 79, 182** is the 20% darker color. If you saturate the color by 10%, you get **44, 126, 238**, and if you desaturate by 10%, it is **92, 154, 238**.

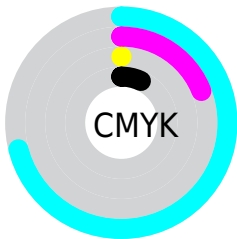
Distribution



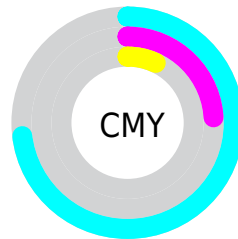
- Red (27%)
- Green (76%)
- Blue (93%)



- Red (27%)
- Yellow (55%)
- Blue (93%)



- Cyan (71%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



















- Cyan (73%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 68, 140, 238 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 68, 140, 238 by changing the saturation by 10% instead.

 68, 140, 238	 68, 140, 238
 255, 255, 255	 9, 97, 210
 136, 194, 255	 0, 79, 182
 167, 211, 255	 0, 66, 155
 198, 227, 255	 0, 53, 129
 229, 242, 255	 0, 40, 103
	 0, 28, 79
	 0, 16, 56
	 0, 2, 34
	 0, 0, 8

■ 68, 140, 238

■ 68, 140, 238

■ 44, 126, 238

■ 92, 154, 238

■ 20, 112, 238

■ 116, 168, 238

■ 0, 101, 238

■ 139, 181, 238

■ 163, 195, 238

■ 187, 208, 238

■ 211, 222, 238

■ 235, 236, 238

■ 255, 245, 238

■ 245, 255, 238

Harmonies

Analogous

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



42, 123, 212



68, 140, 238



127, 166, 249

Triad

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



68, 140, 238



244, 153, 183



117, 188, 136

Complementary

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



68, 140, 238



238, 129, 68

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.



150, 205, 110



68, 140, 238



247, 155, 149

Square

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



68, 140, 238



222, 160, 217



232, 193, 122



128, 183, 195

Rectangle

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



68, 140, 238



164, 174, 246



232, 193, 122



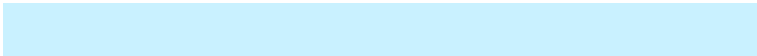
113, 184, 116

Sweetspot

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



68, 140, 238



201, 224, 255



68, 204, 238



96, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



68, 140, 238



36, 129, 255



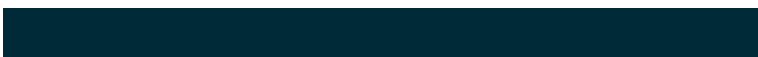
68, 102, 238



108, 113, 120



0, 78, 184



0, 24, 56

Inverse Universe

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



238, 68, 193



255, 36, 197



126, 238, 68



120, 108, 117



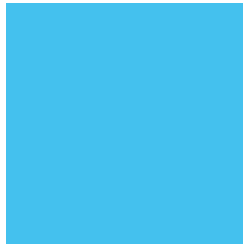
184, 0, 135



56, 0, 41

Previews

White Background



This preview shows how the RYB color 68, 140, 238 looks on a white background.

Color Contrast Check

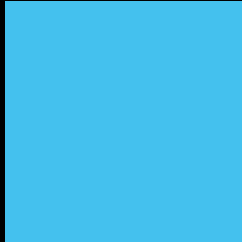
Large Text (above 18pt) WCAG AA × Fail

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 68, 140, 238 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 68, 140, 238 Background



This preview shows how black text looks on a background with the R Y B color 68, 140, 238.

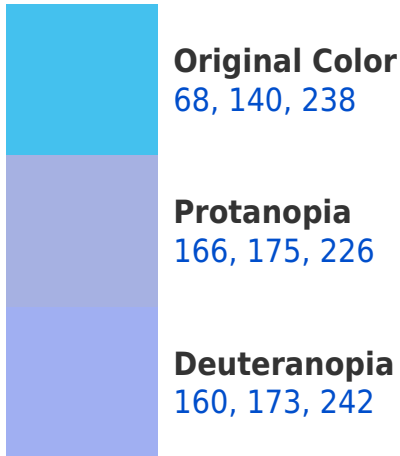


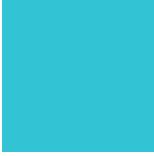
This preview shows how white text looks on a background with the R Y B color 68, 140, 238.

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
50, 127, 213

Trichromacy



Original Color
68, 140, 238



Protanomaly
130, 165, 230



Deuteranomaly
127, 164, 241



Tritanomaly
57, 132, 222

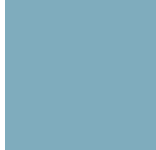
Monochromacy



Original Color
68, 140, 238



Achromatopsia
161, 161, 161



Achromatomaly
127, 153, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 68, 140, 238 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(68, 193, 238)` looks like.

```
.text, #text, p{  
    color:rgb(68, 193, 238)  
}
```

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(68, 193, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 193, 238) }
```

Border

The CSS property to change the border of an element to RYB 68, 140, 238 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(68, 193, 238) }
```

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

```
.border{ border-color:rgb(68, 193, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 193, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 193, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 193, 238);  
box-shadow:4px 4px 4px 4px rgb(68, 193,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 68, 140, 238 is called "background".

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

```
.background, #background, body{  
background: rgb(68, 193, 238) }
```

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

```
.background{ background-color: rgb(68, 193,  
238) }
```

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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