

Converting Colors

`RYB(78, 148, 231)`

Have a look what the booklet for
RYB(78, 148, 231) contains.

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Color

`RYB(78, 148, 231)`

Conversions

Conversions Part 1

Format	Color
Hex	4ECFE7
RGB	78, 207, 231
RGB Percent	31%, 81%, 91%
CMY	0.6941, 0.1881, 0.0941
CMYK	0.66, 0.10, 0.00, 0.09
HSL	189°, 76%, 61%
HSV	189°, 66%, 91%
XYZ	39.8873, 52.0324, 83.5423
YIQ	171.1650, -84.5880, -19.8840

Conversions

Conversions Part 2

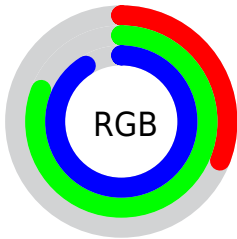
Format	Color
RYB	78, 148, 231
Decimal	5165031
CIELab	77.30, -27.81, -22.23
CIELCh	77, 35.608, 218.638
Yxy	52.0324, 0.2273, 0.2965
Android (android.graphics.Color)	4283355111 (0xFF4ECFE7)
YUV	171.1650, 29.4987, -81.7057
Hunter-Lab	72.1335, -27.5294, -18.1740

Details

The RYB color **78, 148, 231** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **231, 106, 78**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **143, 199, 255**, and **0, 81, 175** is the 20% darker color. If you saturate the color by 10%, you get **55, 135, 231**, and if you desaturate by 10%, it is **101, 161, 231**.

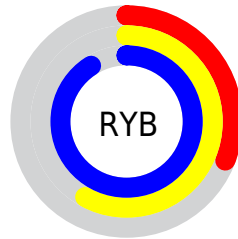
Distribution



Red (31%)

Green (81%)

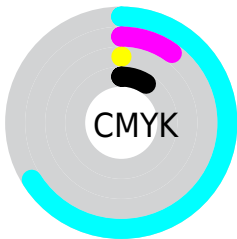
Blue (91%)



Red (31%)

Yellow (58%)

Blue (91%)

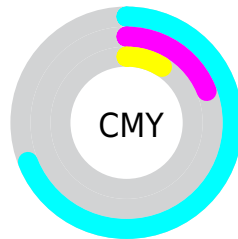


Cyan (66%)

Magenta (10%)

Yellow (0%)

Black (9%)



Cyan (69%)

















Magenta (19%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 148, 231 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 78, 148, 231 by changing the saturation by 10% instead.

 78, 148, 231	 78, 148, 231
 255, 255, 255	 35, 113, 203
 143, 199, 255	 0, 81, 175
 174, 215, 255	 0, 68, 149
 205, 230, 255	 0, 55, 123
 235, 245, 255	 0, 43, 98
	 0, 31, 74
	 0, 20, 51
	 0, 2, 30
	 0, 0, 1

■ 78, 148, 231

■ 78, 148, 231

■ 55, 135, 231

■ 101, 161, 231

■ 32, 123, 231

■ 124, 173, 231

■ 9, 111, 231

■ 147, 185, 231

■ 0, 106, 231

■ 170, 198, 231

■ 194, 211, 231

■ 217, 223, 231

■ 240, 232, 231

■ 255, 237, 231

■ 255, 245, 231

Harmonies

Analogous

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



92, 153, 209



78, 148, 231



110, 165, 252

Triad

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



78, 148, 231



241, 169, 216



139, 204, 125

Complementary

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



78, 148, 231



231, 106, 78

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.



234, 230, 130



78, 148, 231



255, 166, 182

Square

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



78, 148, 231



208, 179, 243



253, 176, 151



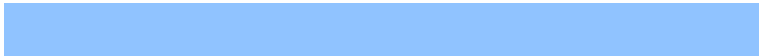
138, 201, 171

Rectangle

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



78, 148, 231



144, 179, 255



253, 176, 151



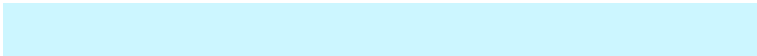
164, 215, 125

Sweetspot

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



78, 148, 231



204, 227, 255



78, 211, 231



97, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



78, 148, 231



54, 146, 255



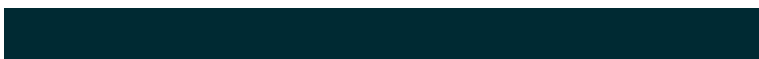
78, 118, 231



103, 108, 115



0, 82, 179



0, 23, 51

Inverse Universe

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



231, 78, 207



255, 54, 223



161, 231, 78



115, 103, 113



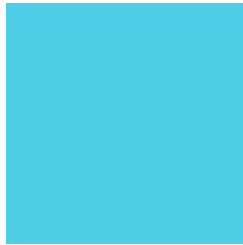
179, 0, 151



51, 0, 43

Previews

White Background



This preview shows how the RYB color 78, 148, 231 looks on a white background.

Color Contrast Check

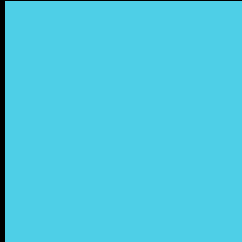
Large Text (above 18pt) WCAG AA × Fail

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 78, 148, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

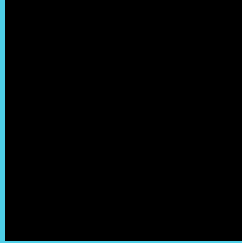
Any Text WCAG AA ✓ Pass

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 78, 148, 231 Background



This preview shows how black text looks on a background with the RYB color 78, 148, 231.



This preview shows how white text looks on a background with the RYB color 78, 148, 231.

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](#).

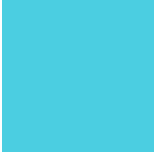
Dichromacy



Original Color
78, 148, 231

Protanopia
184, 188, 218

Deuteranopia
184, 186, 236



Tritanopia
75, 145, 225

Trichromacy



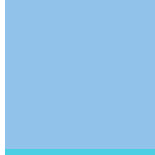
Original Color

78, 148, 231



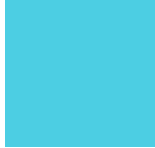
Protanomaly

145, 175, 223



Deuteranomaly

145, 177, 234



Tritanomaly

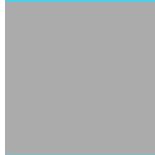
76, 146, 227

Monochromacy



Original Color

78, 148, 231



Achromatopsia

171, 171, 171



Achromatomaly

137, 163, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 148, 231 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(78, 207, 231)` looks like.

```
.text, #text, p{  
    color:rgb(78, 207, 231)  
}
```

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(78, 207, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 207, 231) }
```

Border

The CSS property to change the border of an element to RYB 78, 148, 231 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(78, 207, 231) }
```

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

```
.border{ border-color:rgb(78, 207, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 207, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 207, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 207, 231);  
box-shadow:4px 4px 4px 4px rgb(78, 207,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 78, 148, 231 is called "background".

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

```
.background, #background, body{  
background: rgb(78, 207, 231) }
```

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

```
.background{ background-color: rgb(78, 207,  
231) }
```

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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