

Converting Colors

`RYB(78, 153, 249)`

Have a look what the booklet for
RYB(78, 153, 249) contains.

RYB(78, 153, 249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(78, 153, 249)

Conversions

Conversions Part 1

Format	Color
Hex	4ED4F9
RGB	78, 212, 249
RGB Percent	31%, 83%, 98%
CMY	0.6941, 0.1702, 0.0235
CMYK	0.69, 0.15, 0.00, 0.02
HSL	193°, 93%, 64%
HSV	193°, 69%, 98%
XYZ	43.6828, 55.3434, 98.0025
YIQ	176.1520, -91.7410, -16.9010

Conversions

Conversions Part 2

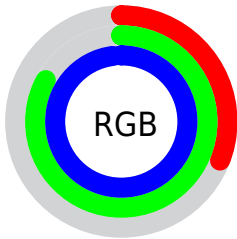
Format	Color
RYB	78, 153, 249
Decimal	5166329
CIELab	79.24, -24.65, -28.90
CIELCh	79, 37.986, 229.532
Yxy	55.3434, 0.2217, 0.2809
Android (android.graphics.Color)	4283356409 (0xFF4ED4F9)
YUV	176.1520, 35.9141, -86.0793
Hunter-Lab	74.3931, -25.3747, -26.0311

Details

The RYB color **78, 153, 249** 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 **249, 125, 78**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **145, 200, 255**, and **0, 86, 192** is the 20% darker color. If you saturate the color by 10%, you get **53, 139, 249**, and if you desaturate by 10%, it is **103, 167, 249**.

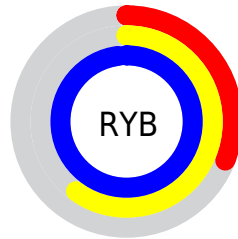
Distribution



Red (31%)

Green (83%)

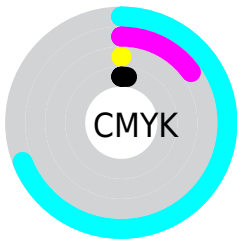
Blue (98%)



Red (31%)

Yellow (60%)

Blue (98%)

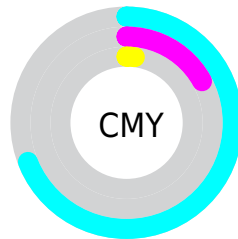


Cyan (69%)

Magenta (15%)

Yellow (0%)

Black (2%)



Cyan (69%)


Magenta (17%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the RYB color 78, 153, 249 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, 153, 249 by changing the saturation by 10% instead.

 78, 153, 249

 78, 153, 249

255, 255, 255

 30, 115, 220

 145, 200, 255

 0, 86, 192

 177, 216, 255


 0, 73, 165

 208, 232, 255

 0, 60, 139

 239, 247, 255

 0, 47, 113

 0, 35, 89

 0, 23, 65

 0, 3, 43

 0, 1, 21

■ 78, 153, 249

■ 78, 153, 249

■ 53, 139, 249

■ 103, 167, 249

■ 28, 125, 249

■ 128, 181, 249

■ 3, 111, 249

■ 153, 195, 249

■ 0, 109, 249

■ 178, 209, 249

■ 203, 223, 249

■ 227, 237, 249

■ 252, 251, 249

■ 249, 255, 249

Harmonies

Analogous

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



75, 146, 219



78, 153, 249



127, 175, 255

Triad

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



78, 153, 249



255, 170, 210



129, 201, 133

Complementary

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



78, 153, 249



249, 125, 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.



195, 231, 127



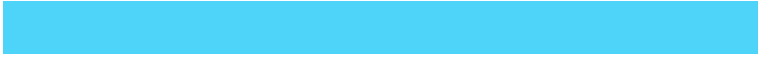
78, 153, 249



255, 170, 174

Square

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



78, 153, 249



229, 179, 243



255, 193, 144



149, 210, 203

Rectangle

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



78, 153, 249



165, 188, 255



255, 193, 144



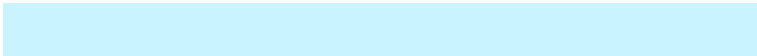
139, 209, 126

Sweetspot

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



78, 153, 249



201, 225, 255



78, 219, 249



96, 110, 128



0, 0, 0



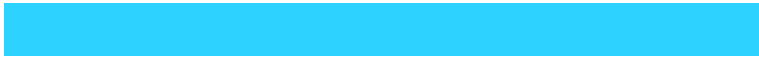
128, 128, 128

Same Dimension

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



78, 153, 249



46, 138, 255



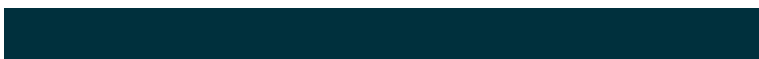
78, 115, 249



112, 118, 125



0, 83, 189



0, 27, 61

Inverse Universe

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



249, 78, 212



255, 46, 209



145, 249, 78



125, 112, 122



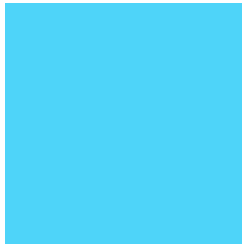
189, 0, 147



61, 0, 48

Previews

White Background



This preview shows how the RYB color 78, 153, 249 looks on a white background.

Color Contrast Check

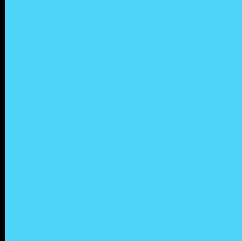
Large Text (above 18pt) WCAG AA × Fail

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, 153, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

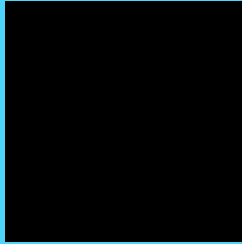
Any Text WCAG AA ✓ Pass

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, 153, 249 Background



This preview shows how black text looks on a background with the RYB color 78, 153, 249.

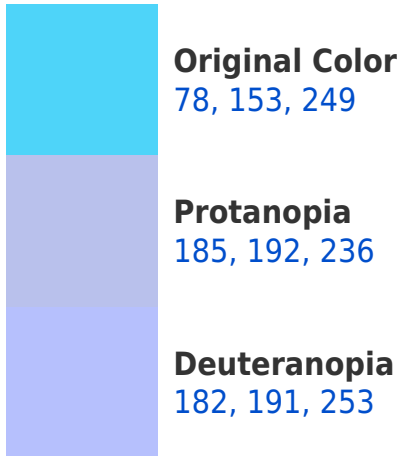


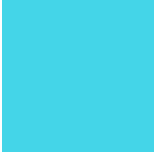
This preview shows how white text looks on a background with the RYB color 78, 153, 249.

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](#).

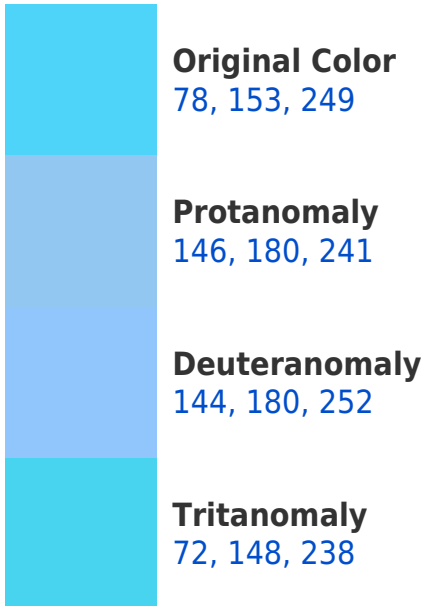
Dichromacy



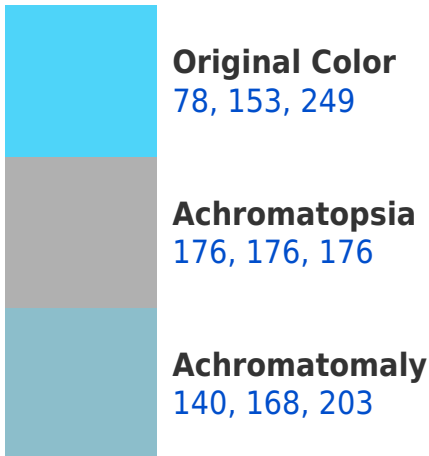


Tritanopia
68, 145, 232

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 153, 249 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, 212, 249)` looks like.

```
.text, #text, p{  
    color:rgb(78, 212, 249)  
}
```

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, 212, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 212, 249) }
```

Border

The CSS property to change the border of an element to RYB 78, 153, 249 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, 212, 249) }
```

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

```
.border{ border-color:rgb(78, 212, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 212, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 212, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 212, 249);  
box-shadow:4px 4px 4px 4px rgb(78, 212,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 78, 153, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 212, 249) }
```

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

```
.background{ background-color: rgb(78, 212,  
249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor