

Converting Colors

`RYB(78, 132, 249)`

Have a look what the booklet for
RYB(78, 132, 249) contains.

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Color

`RYB(78, 132, 249)`

Conversions

Conversions Part 1

Format	Color
Hex	4E9DF9
RGB	78, 157, 249
RGB Percent	31%, 62%, 98%
CMY	0.6941, 0.3846, 0.0235
CMYK	0.69, 0.37, 0.00, 0.02
HSL	212°, 93%, 64%
HSV	212°, 69%, 98%
XYZ	32.2847, 32.5472, 94.2032
YIQ	143.8670, -76.6160, 11.8640

Conversions

Conversions Part 2

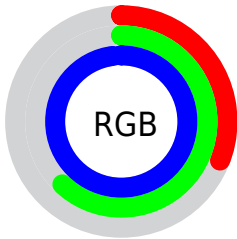
Format	Color
R _Y B	78, 132, 249
Decimal	5152249
CIE Lab	63.79, 4.93, -53.00
CIE LCh	64, 53.230, 275.315
Yxy	32.5472, 0.2030, 0.2047
Android (android.graphics.Color)	4283342329 (0xFF4E9DF9)
YUV	143.8670, 51.8306, -57.7654
Hunter-Lab	57.0501, 1.1756, -57.9666

Details

The RYB color **78, 132, 249** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **225, 249, 78**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **144, 186, 255**, and **0, 68, 192** is the 20% darker color. If you saturate the color by 10%, you get **53, 115, 249**, and if you desaturate by 10%, it is **103, 149, 249**.

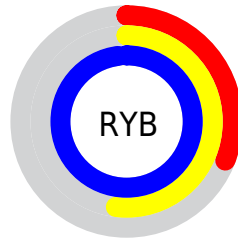
Distribution



Red (31%)

Green (62%)

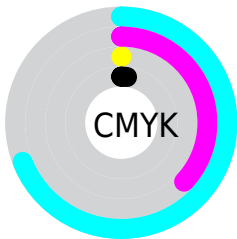
Blue (98%)



Red (31%)

Yellow (52%)

Blue (98%)

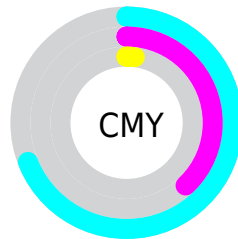


Cyan (69%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (69%)

















Magenta (38%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 132, 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, 132, 249 by changing the saturation by 10% instead.

 78, 132, 249	 78, 132, 249
 255, 255, 255	 34, 98, 220
 144, 186, 255	 0, 68, 192
 174, 210, 255	 0, 55, 164
 205, 230, 255	 0, 42, 138
 236, 246, 255	 0, 29, 112
	 0, 16, 87
	 0, 5, 63
	 0, 3, 40
	 0, 1, 17

■ 78, 132, 249

■ 78, 132, 249

■ 53, 115, 249

■ 103, 149, 249

■ 28, 98, 249

■ 128, 166, 249

■ 3, 81, 249

■ 153, 183, 249

■ 0, 79, 249

■ 178, 201, 249

■ 203, 217, 249

■ 227, 234, 249

■ 251, 252, 249

■ 249, 255, 249

Harmonies

Analogous

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



0, 100, 240



78, 132, 249



168, 139, 232

Triad

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



78, 132, 249



237, 123, 102



50, 133, 175

Complementary

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



78, 132, 249



225, 249, 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.



73, 167, 116



78, 132, 249



212, 206, 67

Square

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



78, 132, 249



241, 112, 148



75, 173, 54



0, 93, 178

Rectangle

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



78, 132, 249



206, 126, 209



75, 173, 54



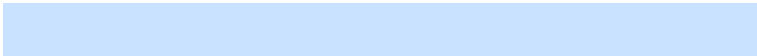
81, 159, 173

Sweetspot

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



78, 132, 249



201, 218, 255



78, 190, 249



96, 106, 128



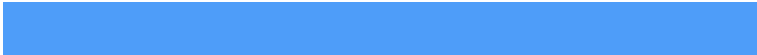
0, 0, 0



128, 128, 128

Same Dimension

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



78, 132, 249



46, 112, 255



84, 78, 249



112, 116, 125



0, 60, 189



0, 19, 61

Inverse Universe

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



249, 78, 157



255, 46, 142



78, 249, 84



125, 112, 118



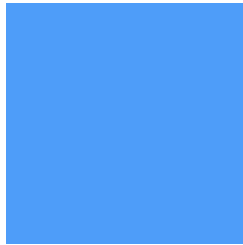
189, 0, 87



61, 0, 28

Previews

White Background



This preview shows how the RYB color 78, 132, 249 looks on a white background.

Color Contrast Check

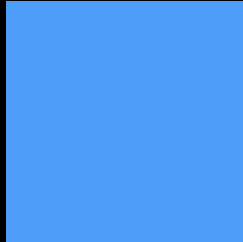
Large Text (above 18pt) WCAG AA × Fail

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, 132, 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

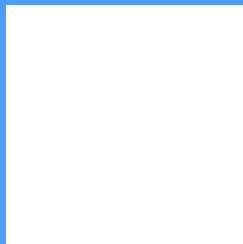
Any Text WCAG AAA ✓ Pass

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

RYB 78, 132, 249 Background



This preview shows how black text looks on a background with the RYB color 78, 132, 249.

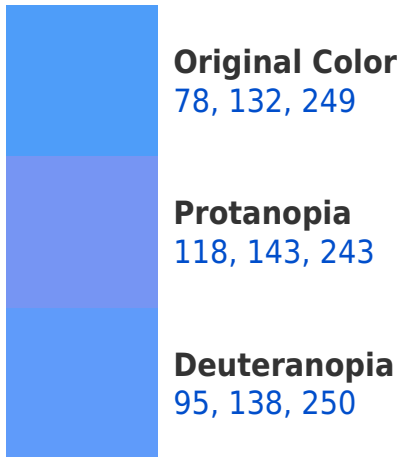


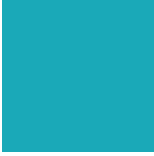
This preview shows how white text looks on a background with the RYB color 78, 132, 249.

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](#).

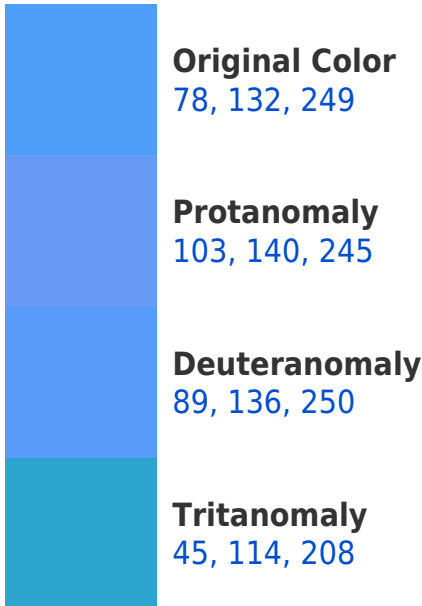
Dichromacy



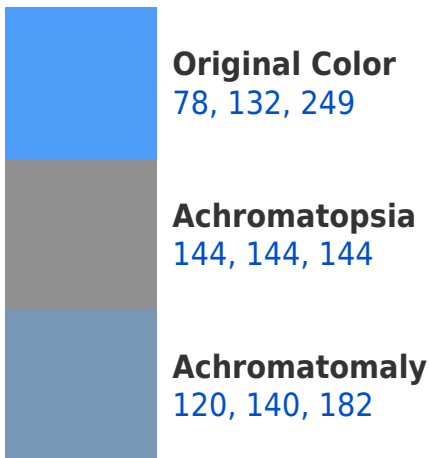


Tritanopia
26, 101, 184

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 132, 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, 157, 249)` looks like.

```
.text, #text, p{  
    color:rgb(78, 157, 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, 157, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 157, 249) }
```

Border

The CSS property to change the border of an element to RYB 78, 132, 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, 157, 249) }
```

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

```
.border{ border-color:rgb(78, 157, 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, 157, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 157, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 157, 249);  
box-shadow:4px 4px 4px 4px rgb(78, 157,  
249) }
```

Background

The CSS property to change the background color of an element to RGB 78, 157, 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, 157, 249) }
```

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

```
.background{ background-color: rgb(78, 157,  
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](#).

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