

Converting Colors

`RYB(78, 138, 250)`

Have a look what the booklet for RYB(78, 138, 250) contains.

RYB(78, 138, 250)	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

`RYB(78, 138, 250)`

Conversions

Conversions Part 1

Format	Color
Hex	4EAAFA
RGB	78, 170, 250
RGB Percent	31%, 67%, 98%
CMY	0.6941, 0.3328, 0.0196
CMYK	0.69, 0.32, 0.00, 0.02
HSL	208°, 95%, 64%
HSV	208°, 69%, 98%
XYZ	34.7987, 37.3249, 95.8128
YIQ	151.6120, -80.5120, 5.3760

Conversions

Conversions Part 2

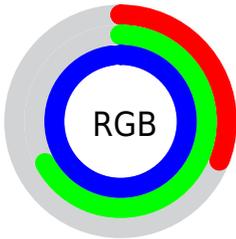
Format	Color
R _Y B	78, 138, 250
Decimal	5155578
CIE Lab	67.52, -2.31, -47.65
CIE LCh	68, 47.710, 267.229
Yxy	37.3249, 0.2072, 0.2223
Android (android.graphics.Color)	4283345658 (0xFF4EAAFA)
YUV	151.6120, 48.5053, -64.5577
Hunter-Lab	61.0941, -5.2424, -50.2176

Details

The RYB color **78, 138, 250** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **250, 228, 78**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **144, 191, 255**, and **0, 73, 193** is the 20% darker color. If you saturate the color by 10%, you get **53, 122, 250**, and if you desaturate by 10%, it is **103, 154, 250**.

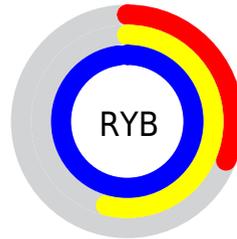
Distribution



Red (31%)

Green (67%)

Blue (98%)



Red (31%)

Yellow (54%)

Blue (98%)

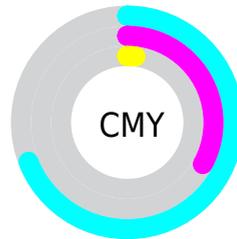


Cyan (69%)

Magenta (32%)

Yellow (0%)

Black (2%)



Cyan (69%)

Magenta (33%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 138, 250 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, 138, 250 by changing the saturation by 10% instead.

 78, 138, 250

255, 255, 255

 144, 191, 255

 175, 215, 255

 205, 230, 255

 236, 246, 255

 78, 138, 250

 34, 103, 221

 0, 73, 193

 0, 60, 166

 0, 47, 139

 0, 34, 113

 0, 22, 88

 0, 6, 64

 0, 3, 41

 0, 1, 19

■ 78, 138, 250

■ 78, 138, 250

■ 53, 122, 250

■ 103, 154, 250

■ 28, 105, 250

■ 128, 170, 250

■ 3, 89, 250

■ 153, 187, 250

■ 0, 87, 250

■ 178, 203, 250

■ 203, 219, 250

■ 228, 236, 250

■ 253, 252, 250

■ 250, 255, 250

Harmonies

Analogous

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



0, 102, 236



78, 138, 250



161, 155, 241

Triad

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



78, 138, 250



244, 132, 127



97, 166, 182

Complementary

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



78, 138, 250



250, 228, 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.



85, 174, 108



78, 138, 250



227, 178, 93

Square

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



78, 138, 250



241, 129, 170



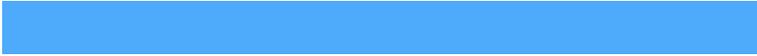
122, 194, 76



0, 100, 186

Rectangle

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



78, 138, 250



199, 144, 223



122, 194, 76



104, 180, 167

Sweetspot

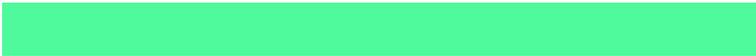
The Sweet Spot groups the original color and five complimentary colors.



78, 138, 250



201, 220, 255



78, 197, 250



96, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



78, 138, 250



43, 117, 255



78, 87, 250



112, 117, 125



0, 66, 189



0, 21, 61

Inverse Universe

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



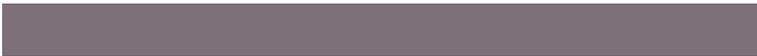
250, 78, 170



255, 43, 157



87, 250, 78



125, 112, 119



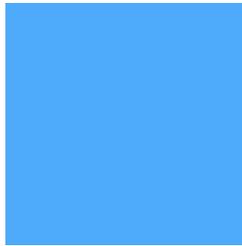
189, 0, 101



61, 0, 33

Previews

White Background



This preview shows how the RYB color 78, 138, 250 looks on a white background.

Color Contrast Check

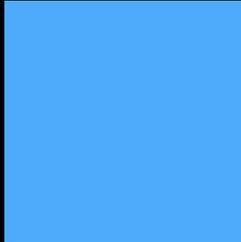
Large Text (above 18pt) WCAG AA × Fail

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, 138, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

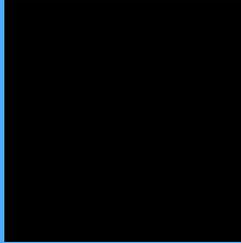
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

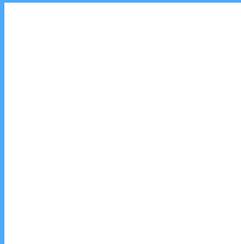
Any Text WCAG AAA ✓ Pass

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

RYB 78, 138, 250 Background



This preview shows how black text looks on a background with the RYB color 78, 138, 250.



This preview shows how white text looks on a background with the RYB color 78, 138, 250.

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](#).

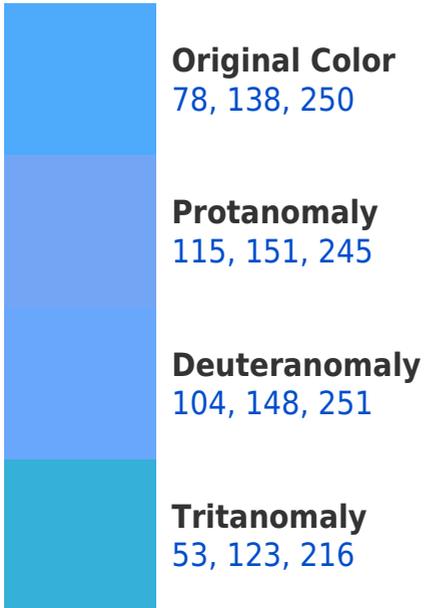
Dichromacy



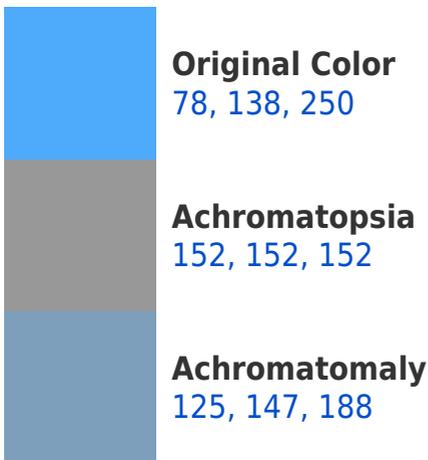


Tritanopia
38, 113, 196

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 138, 250 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, 170, 250)` looks like.

```
.text, #text, p{  
    color:rgb(78, 170, 250)  
}
```

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, 170, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 170, 250) }
```

Border

The CSS property to change the border of an element to RYB 78, 138, 250 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, 170, 250) }
```

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

```
.border{ border-color:rgb(78, 170, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 170, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 170, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 170, 250);  
box-shadow:4px 4px 4px 4px rgb(78, 170,  
250) }
```

Background

The CSS property to change the background color of an element to RYB 78, 138, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 170, 250) }
```

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

```
.background{ background-color: rgb(78, 170,  
250) }
```

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