

Converting Colors

`RYB(82, 138, 218)`

Have a look what the booklet for
RYB(82, 138, 218) contains.

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Color

$\text{RYB}(82, 138, 218)$

Conversions

Conversions Part 1

Format	Color
Hex	52B1DA
RGB	82, 177, 218
RGB Percent	32%, 69%, 85%
CMY	0.6784, 0.3051, 0.1451
CMYK	0.62, 0.19, 0.00, 0.15
HSL	198°, 65%, 59%
HSV	198°, 62%, 85%
XYZ	31.8962, 38.3791, 72.0565
YIQ	153.2690, -69.7810, -7.3890

Conversions

Conversions Part 2

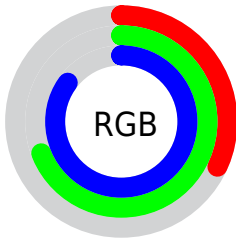
Format	Color
RYB	82, 138, 218
Decimal	5419482
CIELab	68.30, -15.90, -28.94
CIELCh	68, 33.024, 241.220
Yxy	38.3791, 0.2241, 0.2696
Android (android.graphics.Color)	4283609562 (0xFF52B1DA)
YUV	153.2690, 31.9124, -62.5029
Hunter-Lab	61.9509, -16.5110, -25.5959

Details

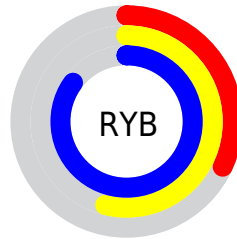
The RYB color **82, 138, 218** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **218, 141, 82**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **143, 193, 255**, and **0, 70, 163** is the 20% darker color. If you saturate the color by 10%, you get **60, 125, 218**, and if you desaturate by 10%, it is **104, 151, 218**.

Distribution



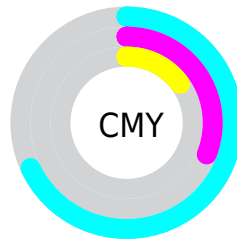
- Red (32%)
- Green (69%)
- Blue (85%)



- Red (32%)
- Yellow (54%)
- Blue (85%)



- Cyan (62%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



















- Cyan (68%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 82, 138, 218 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 82, 138, 218 by changing the saturation by 10% instead.

 82, 138, 218	 82, 138, 218
 255, 255, 255	 47, 107, 190
 143, 193, 255	 0, 71, 163
 173, 214, 255	 0, 58, 137
 203, 229, 255	 0, 45, 111
 233, 244, 255	 0, 33, 86
	 0, 21, 63
	 0, 3, 41
	 0, 1, 19
	 0, 0, 0

■ 82, 138, 218

■ 82, 138, 218

■ 60, 125, 218

■ 104, 151, 218

■ 38, 112, 218

■ 126, 164, 218

■ 17, 100, 218

■ 147, 176, 218

■ 0, 90, 218

■ 169, 189, 218

■ 191, 202, 218

■ 213, 215, 218

■ 235, 225, 218

■ 255, 236, 218

■ 255, 253, 218

Harmonies

Analogous

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



61, 125, 196



82, 138, 218



127, 156, 226

Triad

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



82, 138, 218



223, 144, 166



115, 174, 135

Complementary

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



82, 138, 218



218, 141, 82

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.



136, 186, 107



82, 138, 218



224, 147, 137

Square

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



82, 138, 218



205, 149, 196



210, 184, 115



119, 166, 180

Rectangle

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



82, 138, 218



158, 162, 222



210, 184, 115



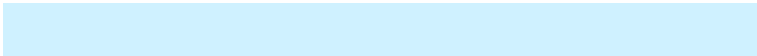
110, 171, 116

Sweetspot

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



82, 138, 218



207, 227, 255



82, 186, 218



98, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



82, 138, 218



64, 143, 255



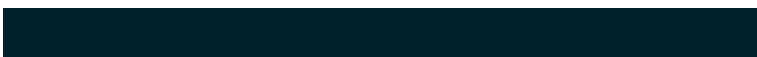
82, 105, 218



99, 103, 110



0, 71, 173



0, 19, 46

Inverse Universe

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



218, 82, 177



255, 64, 198



116, 218, 82



110, 99, 106



173, 0, 121



46, 0, 32

Previews

White Background



This preview shows how the RYB color 82, 138, 218 looks on a white background.

Color Contrast Check

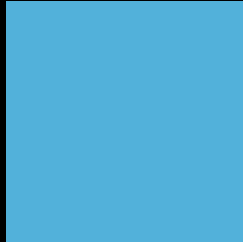
Large Text (above 18pt) WCAG AA × Fail

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 82, 138, 218 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 82, 138, 218 Background



This preview shows how black text looks on a background with the RYB color 82, 138, 218.

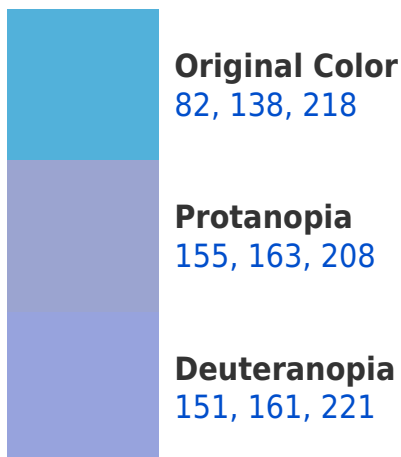


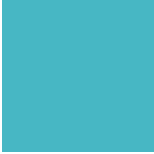
This preview shows how white text looks on a background with the RYB color 82, 138, 218.

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](#).

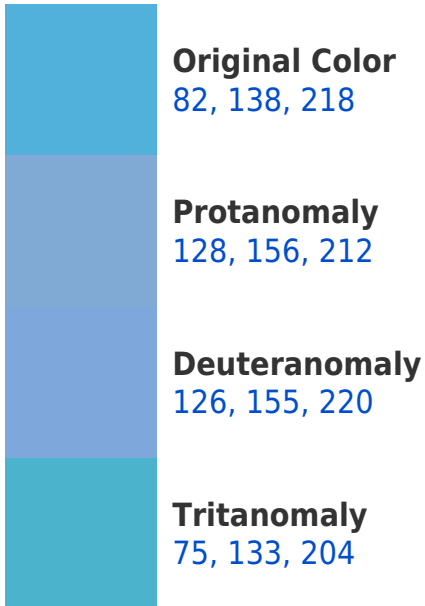
Dichromacy



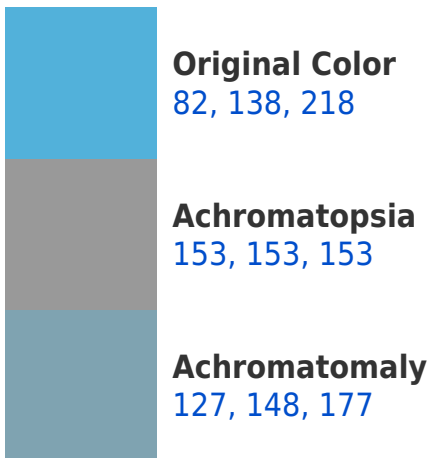


Tritanopia
71, 130, 196

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 138, 218 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(82, 177, 218)` looks like.

```
.text, #text, p{  
    color:rgb(82, 177, 218)  
}
```

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(82, 177, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 177, 218) }
```

Border

The CSS property to change the border of an element to RYB 82, 138, 218 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(82, 177, 218) }
```

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

```
.border{ border-color:rgb(82, 177, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 177, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 177, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 177, 218);  
box-shadow:4px 4px 4px 4px rgb(82, 177,  
218) }
```

Background

The CSS property to change the background color of an element to RGB 82, 138, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 177, 218) }
```

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

```
.background{ background-color: rgb(82, 177,  
218) }
```

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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