

Converting Colors

`RYB(82, 178, 255)`

Have a look what the booklet for
RYB(82, 178, 255) contains.

RYB(82, 178, 255)	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(82, 178, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	52FFDD
RGB	82, 255, 221
RGB Percent	32%, 100%, 87%
CMY	0.6784, 0.0000, 0.1343
CMYK	0.68, 0.00, 0.13, 0.00
HSL	168°, 100%, 66%
HSV	168°, 68%, 100%
XYZ	52.2589, 78.5215, 80.6412
YIQ	199.3970, -92.1940, -47.2500

Conversions

Conversions Part 2

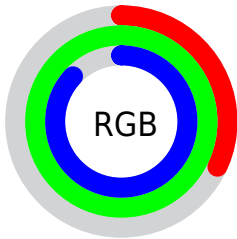
Format	Color
RYB	82, 178, 255
Decimal	5439453
CIELab	91.02, -51.67, 3.56
CIELCh	91, 51.788, 176.057
Yxy	78.5215, 0.2472, 0.3714
Android (android.graphics.Color)	4283629533 (0xFF52FFDD)
YUV	199.3970, 10.6503, -102.9572
Hunter-Lab	88.6124, -49.8018, 8.0721

Details

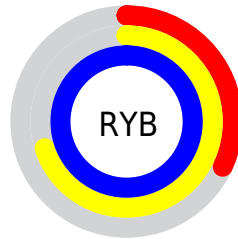
The RYB color **82, 178, 255** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **255, 82, 116**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **150, 203, 255**, and **0, 107, 197** is the 20% darker color. If you saturate the color by 10%, you get **57, 167, 255**, and if you desaturate by 10%, it is **107, 189, 255**.

Distribution



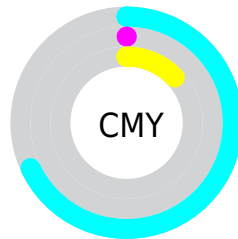
- Red (32%)
- Green (100%)
- Blue (87%)



- Red (32%)
- Yellow (70%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)


















- Cyan (68%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 82, 178, 255 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, 178, 255 by changing the saturation by 10% instead.

 82, 178, 255	 82, 178, 255
 255, 255, 255	 34, 139, 226
 150, 203, 255	 0, 107, 197
 182, 219, 255	 0, 93, 169
 214, 235, 255	 0, 79, 142
 245, 250, 255	 0, 65, 116
	 0, 52, 90
	 0, 39, 65
	 0, 28, 43
	 0, 7, 7

■ 82, 178, 255

■ 82, 178, 255

■ 57, 167, 255

■ 107, 189, 255

■ 31, 155, 255

■ 133, 201, 255

■ 6, 144, 255

■ 159, 212, 255

■ 0, 141, 255

■ 184, 223, 255

■ 210, 235, 255

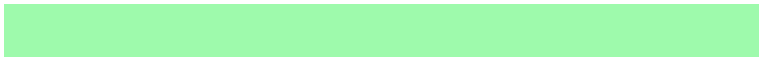
■ 235, 246, 255

255, 255, 255

Harmonies

Analogous

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



158, 238, 250



82, 178, 255



0, 128, 255

Triad

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



82, 178, 255



225, 219, 255



235, 255, 148

Complementary

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



82, 178, 255



255, 82, 116

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.



255, 193, 188



82, 178, 255



255, 201, 255

Square

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



82, 178, 255



140, 192, 255



255, 190, 238



170, 255, 129

Rectangle

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



82, 178, 255



0, 126, 255



255, 190, 238



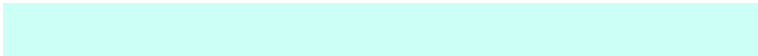
255, 232, 160

Sweetspot

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



82, 178, 255



204, 232, 255



82, 255, 220



97, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



82, 178, 255



48, 163, 255



82, 153, 255



115, 122, 128



0, 106, 191



0, 36, 64

Inverse Universe

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



255, 82, 116



255, 48, 89



255, 156, 82



128, 115, 117



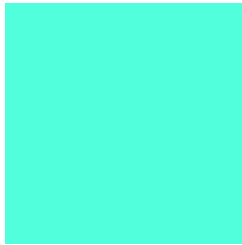
191, 0, 38



64, 0, 13

Previews

White Background



This preview shows how the RYB color 82, 178, 255 looks on a white background.

Color Contrast Check

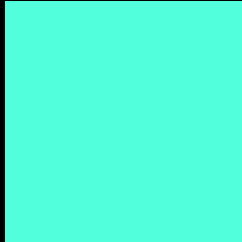
Large Text (above 18pt) WCAG AA × Fail

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, 178, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

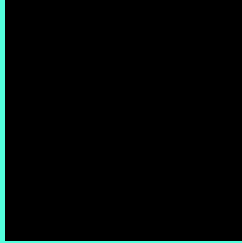
Any Text WCAG AA ✓ Pass

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](#).

R Y B 82, 178, 255 Background



This preview shows how black text looks on a background with the R Y B color 82, 178, 255.

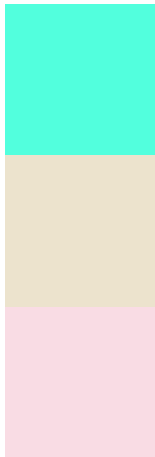


This preview shows how white text looks on a background with the R Y B color 82, 178, 255.

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
82, 178, 255

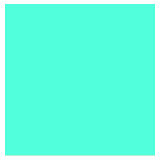
Protanopia
218, 236, 205

Deuteranopia
249, 220, 228



Tritanopia
161, 204, 255

Trichromacy



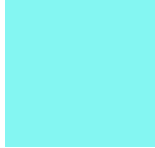
Original Color
82, 178, 255



Protanomaly
180, 217, 237



Deuteranomaly
188, 213, 233

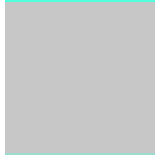


Tritanomaly
132, 190, 246

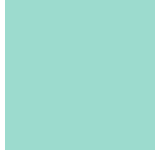
Monochromacy



Original Color
82, 178, 255



Achromatopsia
199, 199, 199



Achromatomaly
156, 191, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 178, 255 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, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 221)  
}
```

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, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 221) }
```

Border

The CSS property to change the border of an element to RYB 82, 178, 255 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, 255, 221) }
```

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

```
.border{ border-color:rgb(82, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
221) }
```

Background

The CSS property to change the background color of an element to RYB 82, 178, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 221) }
```

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

```
.background{ background-color: rgb(82, 255,  
221) }
```

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