

Converting Colors

`RYB(82, 141, 220)`

Have a look what the booklet for
RYB(82, 141, 220) contains.

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Color

$\text{RYB}(82, 141, 220)$

Conversions

Conversions Part 1

Format	Color
Hex	52B9DC
RGB	82, 185, 220
RGB Percent	32%, 73%, 86%
CMY	0.6784, 0.2743, 0.1373
CMYK	0.63, 0.16, 0.00, 0.14
HSL	195°, 66%, 59%
HSV	195°, 63%, 86%
XYZ	33.7601, 41.6856, 73.9769
YIQ	158.1930, -72.6230, -10.9510

Conversions

Conversions Part 2

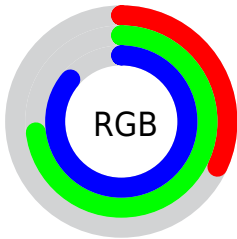
Format	Color
R _Y B	82, 141, 220
Decimal	5421532
CIE Lab	70.65, -19.41, -26.42
CIE LCh	71, 32.782, 233.700
Yxy	41.6856, 0.2259, 0.2790
Android (android.graphics.Color)	4283611612 (0xFF52B9DC)
YUV	158.1930, 30.4709, -66.8213
Hunter-Lab	64.5644, -19.6515, -22.7386

Details

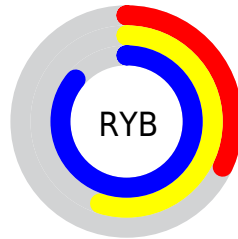
The RYB color **82, 141, 220** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **220, 129, 82**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **144, 196, 255**, and **0, 73, 165** is the 20% darker color. If you saturate the color by 10%, you get **60, 128, 220**, and if you desaturate by 10%, it is **104, 154, 220**.

Distribution



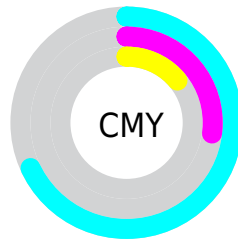
- Red (32%)
- Green (73%)
- Blue (86%)



- Red (32%)
- Yellow (55%)
- Blue (86%)



- Cyan (63%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)



















- Cyan (68%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 82, 141, 220 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, 141, 220 by changing the saturation by 10% instead.

 82, 141, 220	 82, 141, 220
 255, 255, 255	 46, 109, 192
 144, 196, 255	 0, 73, 165
 174, 215, 255	 0, 60, 138
 203, 229, 255	 0, 48, 113
 234, 245, 255	 0, 35, 88
	 0, 24, 65
	 0, 7, 43
	 0, 1, 21
	 0, 0, 0

■ 82, 141, 220

■ 82, 141, 220

■ 60, 128, 220

■ 104, 154, 220

■ 38, 116, 220

■ 126, 166, 220

■ 16, 103, 220

■ 148, 179, 220

■ 0, 94, 220

■ 170, 191, 220

■ 192, 204, 220

■ 214, 216, 220

■ 236, 225, 220

■ 255, 234, 220

■ 255, 246, 220

Harmonies

Analogous

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



73, 133, 196



82, 141, 220



123, 160, 232

Triad

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



82, 141, 220



227, 151, 180



118, 178, 127

Complementary

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



82, 141, 220



220, 129, 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.



160, 199, 114



82, 141, 220



232, 152, 150

Square

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



82, 141, 220



205, 157, 208



222, 176, 126



135, 183, 185

Rectangle

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



82, 141, 220



153, 168, 230



222, 176, 126



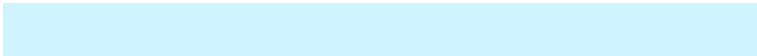
119, 180, 114

Sweetspot

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



82, 141, 220



207, 228, 255



82, 192, 220



98, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



82, 141, 220



64, 146, 255



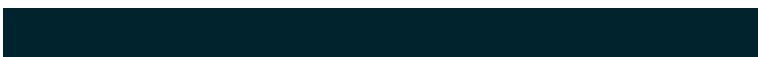
82, 110, 220



99, 104, 110



0, 74, 173



0, 20, 46

Inverse Universe

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



220, 82, 185



255, 64, 207



127, 220, 82



110, 99, 107



173, 0, 130



46, 0, 34

Previews

White Background



This preview shows how the RYB color 82, 141, 220 looks on a white background.

Color Contrast Check

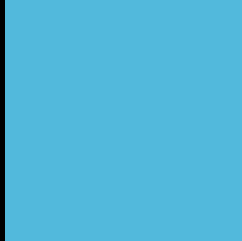
Large Text (above 18pt) WCAG AA × Fail

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, 141, 220 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, 141, 220 Background



This preview shows how black text looks on a background with the RYB color 82, 141, 220.

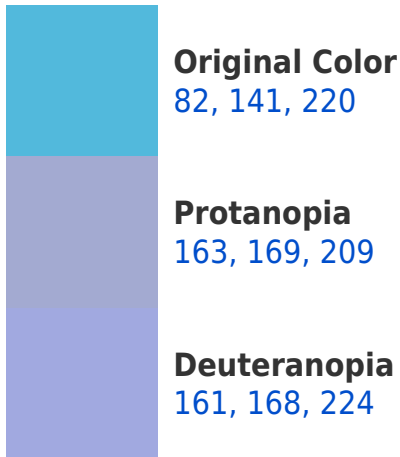


This preview shows how white text looks on a background with the RYB color 82, 141, 220.

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



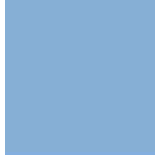


Tritanopia
74, 135, 203

Trichromacy



Original Color
82, 141, 220



Protanomaly
134, 161, 213



Deuteranomaly
132, 161, 223



Tritanomaly
77, 137, 209

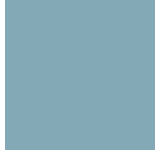
Monochromacy



Original Color
82, 141, 220



Achromatopsia
158, 158, 158



Achromatomaly
130, 152, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 141, 220 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, 185, 220)` looks like.

```
.text, #text, p{  
    color:rgb(82, 185, 220)  
}
```

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, 185, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 185, 220) }
```

Border

The CSS property to change the border of an element to RYB 82, 141, 220 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, 185, 220) }
```

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

```
.border{ border-color:rgb(82, 185, 220) }
```

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

Here you see how a box with a 4 pixel rgb(82, 185, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 185, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 185, 220);  
box-shadow:4px 4px 4px 4px rgb(82, 185,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 82, 141, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 185, 220) }
```

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

```
.background{ background-color: rgb(82, 185,  
220) }
```

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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