

Converting Colors

`RYB(82, 154, 234)`

Have a look what the booklet for
RYB(82, 154, 234) contains.

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Color

`RYB(82, 154, 234)`

Conversions

Conversions Part 1

Format	Color
Hex	52DBEA
RGB	82, 219, 234
RGB Percent	32%, 86%, 92%
CMY	0.6784, 0.1420, 0.0824
CMYK	0.65, 0.06, 0.00, 0.08
HSL	186°, 78%, 62%
HSV	186°, 65%, 92%
XYZ	43.6103, 58.2931, 86.7951
YIQ	179.7470, -86.4670, -24.3790

Conversions

Conversions Part 2

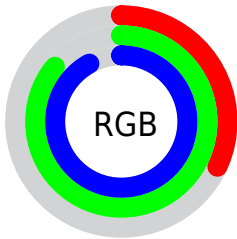
Format	Color
RYB	82, 154, 234
Decimal	5430250
CIELab	80.90, -32.03, -18.37
CIELCh	81, 36.928, 209.833
Yxy	58.2931, 0.2311, 0.3089
Android (android.graphics.Color)	4283620330 (0xFF52DBEA)
YUV	179.7470, 26.7467, -85.7241
Hunter-Lab	76.3499, -31.6549, -13.9563

Details

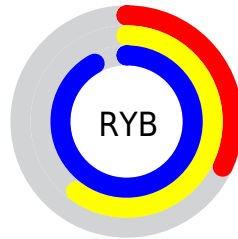
The RYB color **82, 154, 234** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **234, 99, 82**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **147, 201, 255**, and **0, 85, 178** is the 20% darker color. If you saturate the color by 10%, you get **59, 142, 234**, and if you desaturate by 10%, it is **105, 166, 234**.

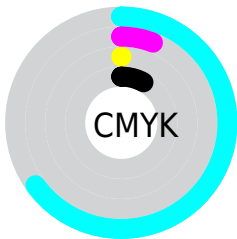
Distribution



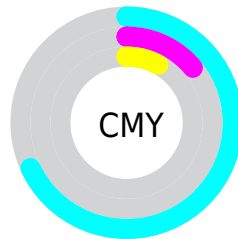
- Red (32%)
- Green (86%)
- Blue (92%)



- Red (32%)
- Yellow (60%)
- Blue (92%)



- Cyan (65%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)





- Cyan (68%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the RYB color 82, 154, 234 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, 154, 234 by changing the saturation by 10% instead.

 82, 154, 234

 82, 154, 234

255, 255, 255

 40, 119, 206

 147, 201, 255

 0, 85, 178

 178, 217, 255


 0, 72, 152

 209, 232, 255

 0, 59, 126

 240, 248, 255

 0, 46, 101

 0, 34, 77

 0, 23, 54

 0, 6, 33

 0, 0, 7

■ 82, 154, 234

■ 82, 154, 234

■ 59, 142, 234

■ 105, 166, 234

■ 35, 129, 234

■ 129, 179, 234

■ 12, 117, 234

■ 152, 191, 234

■ 0, 111, 234

■ 176, 203, 234

■ 199, 215, 234

■ 222, 228, 234

■ 246, 235, 234

■ 255, 239, 234

■ 255, 242, 234

Harmonies

Analogous

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



107, 169, 220



82, 154, 234



103, 167, 255

Triad

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



82, 154, 234



245, 181, 236



168, 225, 132

Complementary

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



82, 154, 234



234, 99, 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.



253, 218, 142



82, 154, 234



255, 175, 202

Square

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



82, 154, 234



205, 192, 255



255, 178, 168



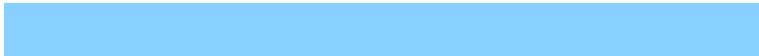
140, 209, 161

Rectangle

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



82, 154, 234



136, 181, 255



255, 178, 168



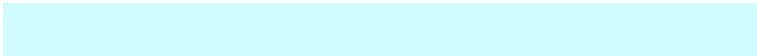
199, 235, 133

Sweetspot

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



82, 154, 234



207, 230, 255



82, 220, 234



98, 112, 128



0, 0, 0



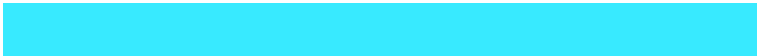
128, 128, 128

Same Dimension

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



82, 154, 234



56, 150, 255



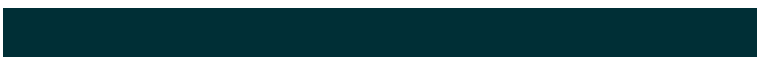
82, 126, 234



106, 111, 117



0, 86, 181



0, 25, 54

Inverse Universe

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



234, 82, 219



255, 56, 235



184, 234, 82



117, 106, 116



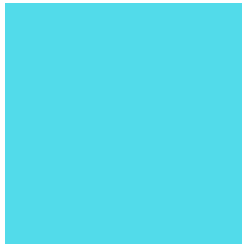
181, 0, 163



54, 0, 48

Previews

White Background



This preview shows how the RYB color 82, 154, 234 looks on a white background.

Color Contrast Check

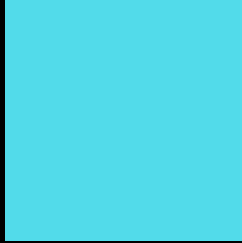
Large Text (above 18pt) WCAG AA × Fail

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, 154, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

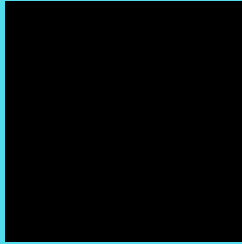
Any Text WCAG AA ✓ Pass

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, 154, 234 Background



This preview shows how black text looks on a background with the RYB color 82, 154, 234.

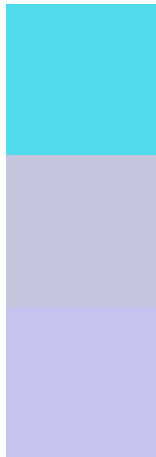


This preview shows how white text looks on a background with the RYB color 82, 154, 234.

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](#).

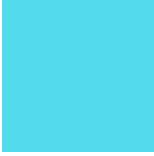
Dichromacy



Original Color
82, 154, 234

Protanopia
197, 198, 221

Deuteranopia
199, 195, 239

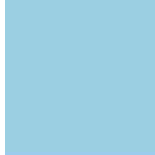


Tritanopia
83, 155, 236

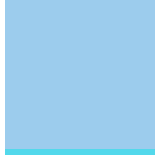
Trichromacy



Original Color
82, 154, 234



Protanomaly
155, 185, 226



Deuteranomaly
156, 186, 237

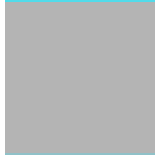


Tritanomaly
83, 154, 235

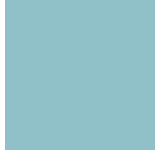
Monochromacy



Original Color
82, 154, 234



Achromatopsia
180, 180, 180



Achromatomaly
144, 170, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 154, 234 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, 219, 234)` looks like.

```
.text, #text, p{  
    color:rgb(82, 219, 234)  
}
```

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, 219, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 219, 234) }
```

Border

The CSS property to change the border of an element to RYB 82, 154, 234 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, 219, 234) }
```

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

```
.border{ border-color:rgb(82, 219, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 219, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 219, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 219, 234);  
box-shadow:4px 4px 4px 4px rgb(82, 219,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 82, 154, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 219, 234) }
```

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

```
.background{ background-color: rgb(82, 219,  
234) }
```

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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