

Converting Colors

`RYB(129, 169, 227)`

Have a look what the booklet for RYB(129, 169, 227) contains.

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Color

R_YB(129, 169, 227)

Conversions

Conversions Part 1

Format	Color
Hex	81C5E3
RGB	129, 197, 227
RGB Percent	51%, 77%, 89%
CMY	0.4941, 0.2291, 0.1098
CMYK	0.43, 0.13, 0.00, 0.11
HSL	199°, 64%, 70%
HSV	199°, 43%, 89%
XYZ	42.7908, 49.9580, 80.0606
YIQ	180.0880, -50.1580, -5.0860

Conversions

Conversions Part 2

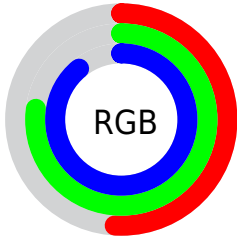
Format	Color
R _Y B	129, 169, 227
Decimal	8504803
CIE Lab	76.04, -13.53, -21.82
CIE LCh	76, 25.673, 238.207
Yxy	49.9580, 0.2476, 0.2891
Android (android.graphics.Color)	4286694883 (0xFF81C5E3)
YUV	180.0880, 23.1276, -44.8042
Hunter-Lab	70.6810, -15.6265, -17.6813

Details

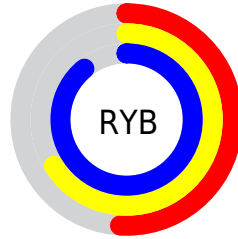
The RYB color **129, 169, 227** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **227, 172, 129**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **186, 220, 255**, and **73, 114, 172** is the 20% darker color. If you saturate the color by 10%, you get **106, 156, 227**, and if you desaturate by 10%, it is **152, 183, 227**.

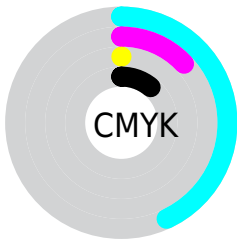
Distribution



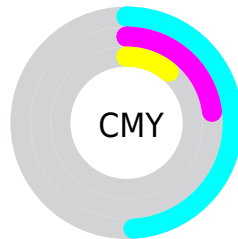
- Red (51%)
- Green (77%)
- Blue (89%)



- Red (51%)
- Yellow (66%)
- Blue (89%)



- Cyan (43%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 169, 227 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 129, 169, 227 by changing the saturation by 10% instead.


 129, 169, 227


255, 255, 255


 186, 220, 255


 215, 235, 255

 244, 250, 255

 129, 169, 227

 101, 141, 199


 73, 114, 172

 42, 85, 145

 0, 52, 119

 0, 40, 94

 0, 28, 71

 0, 17, 48

 0, 1, 27

 0, 0, 0

■ 129, 169, 227

■ 129, 169, 227

■ 106, 156, 227

■ 152, 183, 227

■ 84, 142, 227

■ 174, 196, 227

■ 61, 129, 227

■ 197, 209, 227

■ 38, 115, 227

■ 220, 223, 227

■ 15, 101, 227

■ 243, 234, 227

■ 0, 93, 227

■ 255, 248, 227

■ 240, 255, 227

■ 229, 255, 227

■ 227, 255, 227

Harmonies

Analogous

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



119, 162, 209



129, 169, 227



157, 180, 234

Triad

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



129, 169, 227



233, 171, 190



145, 193, 157

Complementary

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



129, 169, 227



227, 172, 129

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.



171, 206, 140



129, 169, 227



236, 173, 166

Square

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



129, 169, 227



217, 174, 213



226, 197, 148



154, 191, 198

Rectangle

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



129, 169, 227



179, 184, 232



226, 197, 148



142, 191, 143

Sweetspot

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



129, 169, 227



222, 236, 255



129, 205, 227



107, 115, 128



0, 0, 0



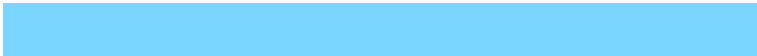
128, 128, 128

Same Dimension

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



129, 169, 227



122, 176, 255



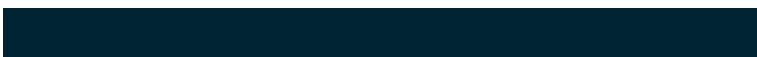
129, 146, 227



103, 108, 115



0, 73, 179



0, 21, 51

Inverse Universe

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



227, 129, 197



255, 122, 214



154, 227, 129



115, 103, 111



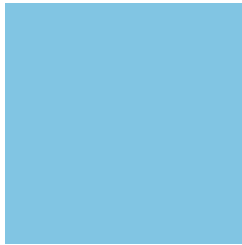
179, 0, 123



51, 0, 35

Previews

White Background



This preview shows how the RYB color 129, 169, 227 looks on a white background.

Color Contrast Check

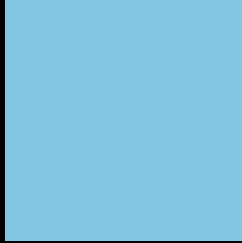
Large Text (above 18pt) WCAG AA × Fail

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 129, 169, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

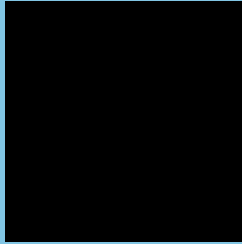
Any Text WCAG AA ✓ Pass

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_YB 129, 169, 227 Background



This preview shows how black text looks on a background with the R_YB color 129, 169, 227.



This preview shows how white text looks on a background with the R_YB color 129, 169, 227.

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
129, 169, 227

Protanopia
180, 184, 219

Deuteranopia
183, 183, 230



Tritanopia
125, 166, 215

Trichromacy



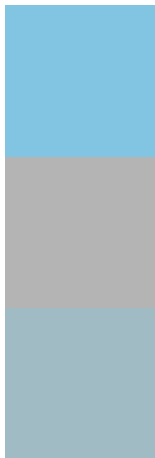
Original Color
129, 169, 227

Protanomaly
161, 180, 222

Deuteranomaly
163, 181, 229

Tritanomaly
126, 167, 219

Monochromacy



Original Color
129, 169, 227

Achromatopsia
180, 180, 180

Achromatomaly
161, 176, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 169, 227 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(129, 197, 227)` looks like.

```
.text, #text, p{  
    color:rgb(129, 197, 227)  
}
```

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(129, 197, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 197, 227) }
```

Border

The CSS property to change the border of an element to RYB 129, 169, 227 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(129, 197, 227) }
```

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

```
.border{ border-color:rgb(129, 197, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 197, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 197, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 197, 227); box-shadow:4px 4px 4px 4px rgb(129, 197, 227) }
```

Background

The CSS property to change the background color of an element to RYB 129, 169, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 197, 227) }
```

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

```
.background{ background-color: rgb(129,  
197, 227) }
```

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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