

Converting Colors

`RYB(129, 151, 206)`

Have a look what the booklet for
RYB(129, 151, 206) contains.

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Color

R_YB(129, 151, 206)

Conversions

Conversions Part 1

Format	Color
Hex	81A0CE
RGB	129, 160, 206
RGB Percent	51%, 63%, 81%
CMY	0.4941, 0.3733, 0.1922
CMYK	0.37, 0.22, 0.00, 0.19
HSL	216°, 44%, 66%
HSV	216°, 37%, 81%
XYZ	32.7300, 34.1957, 63.2679
YIQ	155.9750, -33.2420, 7.7340

Conversions

Conversions Part 2

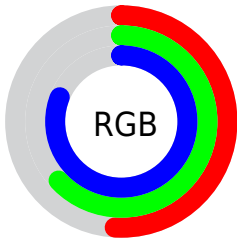
Format	Color
RYB	129, 151, 206
Decimal	8495310
CIELab	65.12, 0.82, -27.03
CIElCh	65, 27.047, 271.728
Yxy	34.1957, 0.2514, 0.2627
Android (android.graphics.Color)	4286685390 (0xFF81A0CE)
YUV	155.9750, 24.6623, -23.6571
Hunter-Lab	58.4771, -2.4273, -23.2135

Details

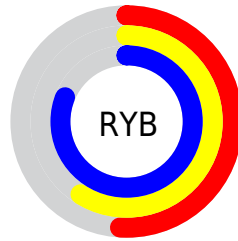
The RYB color **129, 151, 206** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **181, 206, 129**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **184, 206, 255**, and **76, 99, 152** is the 20% darker color. If you saturate the color by 10%, you get **108, 136, 206**, and if you desaturate by 10%, it is **150, 166, 206**.

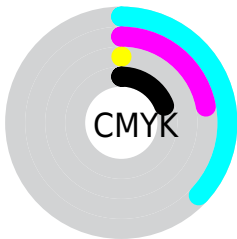
Distribution



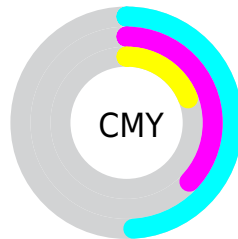
- Red (51%)
- Green (63%)
- Blue (81%)



- Red (51%)
- Yellow (59%)
- Blue (81%)



- Cyan (37%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (37%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 151, 206 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, 151, 206 by changing the saturation by 10% instead.


 129, 151, 206


255, 255, 255

 184, 205, 255

 212, 230, 255

 241, 248, 255

 129, 151, 206


 102, 125, 178

 76, 99, 152

 50, 73, 126

 20, 47, 100

 0, 26, 76

 0, 14, 53

 0, 2, 32

 0, 0, 3

 0, 0, 0

■ 129, 151, 206

■ 129, 151, 206

■ 108, 136, 206

■ 150, 166, 206

■ 88, 122, 206

■ 170, 181, 206

■ 67, 107, 206

■ 191, 195, 206

■ 47, 92, 206

■ 209, 211, 206

■ 26, 77, 206

■ 222, 232, 206

■ 5, 63, 206

■ 238, 253, 206

■ 0, 59, 206

■ 217, 255, 206

■ 206, 255, 206

Harmonies

Analogous

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



97, 139, 200



129, 151, 206



163, 151, 199

Triad

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



129, 151, 206



206, 143, 134



120, 158, 169

Complementary

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



129, 151, 206



181, 206, 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.



116, 164, 132



129, 151, 206



194, 173, 116

Square

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



129, 151, 206



205, 140, 158



133, 174, 110



94, 136, 171

Rectangle

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



129, 151, 206



183, 146, 188



133, 174, 110



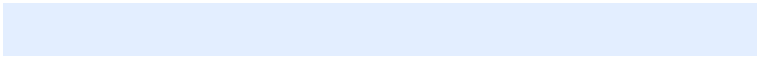
127, 168, 166

Sweetspot

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



129, 151, 206



227, 235, 255



129, 177, 206



111, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



129, 151, 206



140, 173, 255



135, 129, 206



92, 95, 102



0, 47, 166



0, 11, 38

Inverse Universe

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



206, 129, 160



255, 140, 186



129, 206, 137



102, 92, 96



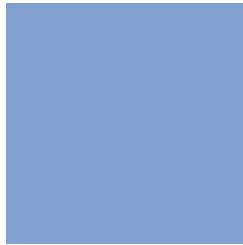
166, 0, 66



38, 0, 15

Previews

White Background



This preview shows how the RYB color 129, 151, 206 looks on a white background.

Color Contrast Check

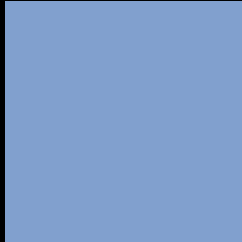
Large Text (above 18pt) WCAG AA × Fail

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, 151, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

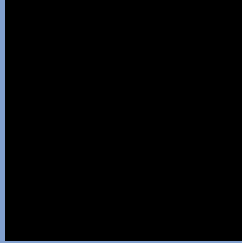
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

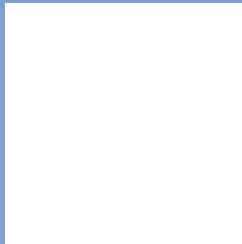
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 129, 151, 206 Background



This preview shows how black text looks on a background with the RYB color 129, 151, 206.



This preview shows how white text looks on a background with the RYB color 129, 151, 206.

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, 151, 206

Protanopia
145, 154, 203

Deuteranopia
146, 154, 207



Tritanopia
122, 146, 178

Trichromacy



Original Color

129, 151, 206

Protanomaly

139, 153, 204

Deuteranomaly

140, 154, 207

Tritanomaly

125, 149, 188

Monochromacy



Original Color

129, 151, 206

Achromatopsia

156, 156, 156

Achromatomaly

146, 154, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 151, 206 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, 160, 206)` looks like.

```
.text, #text, p{  
    color:rgb(129, 160, 206)  
}
```

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, 160, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 160, 206) }
```

Border

The CSS property to change the border of an element to RYB 129, 151, 206 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, 160, 206) }
```

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

```
.border{ border-color:rgb(129, 160, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 160, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 160, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 160, 206);  
box-shadow:4px 4px 4px 4px rgb(129, 160,  
206) }
```

Background

The CSS property to change the background color of an element to RYB 129, 151, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 160, 206) }
```

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

```
.background{ background-color: rgb(129,  
160, 206) }
```

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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