

Converting Colors

`RYB(129, 152, 208)`

Have a look what the booklet for RYB(129, 152, 208) contains.

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Color

R_YB(129, 152, 208)

Conversions

Conversions Part 1

Format	Color
Hex	81A1D0
RGB	129, 161, 208
RGB Percent	51%, 63%, 82%
CMY	0.4941, 0.3669, 0.1843
CMYK	0.38, 0.22, 0.00, 0.18
HSL	215°, 46%, 66%
HSV	215°, 38%, 82%
XYZ	33.2615, 34.8672, 64.6515
YIQ	156.7900, -34.1590, 7.8330

Conversions

Conversions Part 2

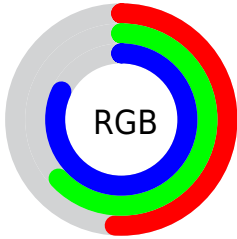
Format	Color
R _Y B	129, 152, 208
Decimal	8495568
CIE Lab	65.65, 0.43, -27.33
CIE LCh	66, 27.336, 270.898
Yxy	34.8672, 0.2505, 0.2626
Android (android.graphics.Color)	4286685648 (0xFF81A1D0)
YUV	156.7900, 25.2465, -24.3718
Hunter-Lab	59.0485, -2.7875, -23.5820

Details

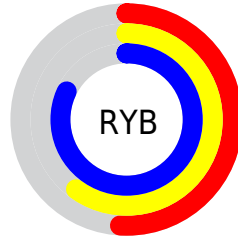
The RYB color **129, 152, 208** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **183, 208, 129**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **184, 206, 255**, and **76, 100, 153** is the 20% darker color. If you saturate the color by 10%, you get **108, 137, 208**, and if you desaturate by 10%, it is **150, 167, 208**.

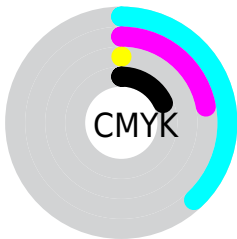
Distribution



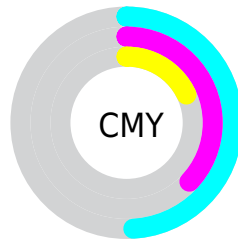
- Red (51%)
- Green (63%)
- Blue (82%)



- Red (51%)
- Yellow (60%)
- Blue (82%)



- Cyan (38%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (49%)
- Magenta (37%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 152, 208 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, 152, 208 by changing the saturation by 10% instead.


 129, 152, 208


255, 255, 255

 184, 206, 255

 213, 231, 255

 242, 249, 255

 129, 152, 208


 102, 125, 180

 76, 100, 153

 49, 74, 127

 19, 48, 102

 0, 27, 78

 0, 15, 55

 0, 2, 33

 0, 0, 6

 0, 0, 0

■ 129, 152, 208

■ 129, 152, 208

■ 108, 137, 208

■ 150, 167, 208

■ 87, 122, 208

■ 171, 182, 208

■ 67, 108, 208

■ 191, 196, 208

■ 46, 93, 208

■ 212, 212, 208

■ 25, 78, 208

■ 225, 233, 208

■ 4, 64, 208

■ 240, 254, 208

■ 0, 60, 208

■ 218, 255, 208

■ 208, 255, 208

Harmonies

Analogous

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



96, 139, 202



129, 152, 208



164, 153, 201

Triad

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



129, 152, 208



208, 144, 135



122, 161, 171

Complementary

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



129, 152, 208



183, 208, 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.



117, 166, 133



129, 152, 208



197, 173, 117

Square

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



129, 152, 208



206, 141, 160



135, 176, 110



95, 138, 173

Rectangle

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



129, 152, 208



183, 147, 191



135, 176, 110



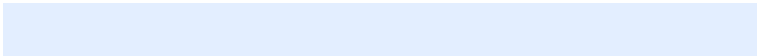
128, 169, 166

Sweetspot

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



129, 152, 208



227, 235, 255



129, 179, 208



111, 116, 128



0, 0, 0



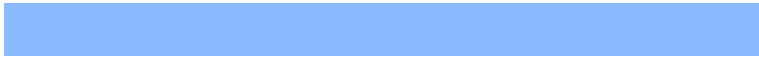
128, 128, 128

Same Dimension

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



129, 152, 208



138, 172, 255



136, 129, 208



94, 97, 105



0, 49, 168



0, 12, 41

Inverse Universe

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



208, 129, 161



255, 138, 186



129, 208, 136



105, 94, 98



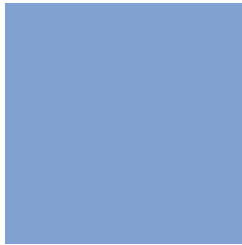
168, 0, 69



41, 0, 17

Previews

White Background



This preview shows how the RYB color 129, 152, 208 looks on a white background.

Color Contrast Check

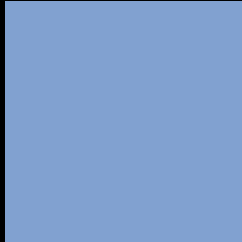
Large Text (above 18pt) WCAG AA × Fail

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, 152, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

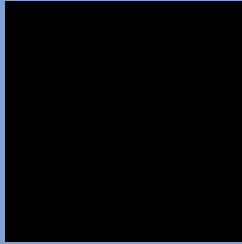
Any Text WCAG AA ✓ Pass

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, 152, 208 Background



This preview shows how black text looks on a background with the RYB color 129, 152, 208.

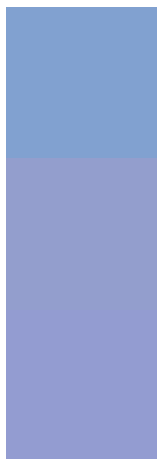


This preview shows how white text looks on a background with the RYB color 129, 152, 208.

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, 152, 208

Protanopia

147, 156, 205

Deuteranopia

147, 155, 209



Tritanopia
122, 147, 180

Trichromacy



Original Color
129, 152, 208

Protanomaly
140, 155, 206

Deuteranomaly
140, 154, 209

Tritanomaly
125, 150, 190

Monochromacy



Original Color
129, 152, 208

Achromatopsia
157, 157, 157

Achromatomaly
147, 155, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 152, 208 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, 161, 208)` looks like.

```
.text, #text, p{  
    color:rgb(129, 161, 208)  
}
```

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, 161, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 161, 208) }
```

Border

The CSS property to change the border of an element to RYB 129, 152, 208 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, 161, 208) }
```

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

```
.border{ border-color:rgb(129, 161, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 161, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 161, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 161, 208); box-shadow:4px 4px 4px 4px rgb(129, 161, 208) }
```

Background

The CSS property to change the background color of an element to RYB 129, 152, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 161, 208) }
```

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

```
.background{ background-color: rgb(129,  
161, 208) }
```

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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