

Converting Colors

`RYB(123, 145, 201)`

Have a look what the booklet for
RYB(123, 145, 201) contains.

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Color

`RYB(123, 145, 201)`

Conversions

Conversions Part 1

Format	Color
Hex	7B9AC9
RGB	123, 154, 201
RGB Percent	48%, 60%, 79%
CMY	0.5176, 0.3975, 0.2118
CMYK	0.39, 0.24, 0.00, 0.21
HSL	216°, 42%, 64%
HSV	216°, 39%, 79%
XYZ	30.2077, 31.4215, 59.7312
YIQ	150.0890, -33.5630, 8.0450

Conversions

Conversions Part 2

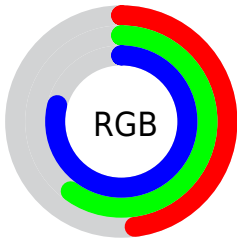
Format	Color
RYB	123, 145, 201
Decimal	8100553
CIELab	62.86, 1.29, -27.75
CIELCh	63, 27.785, 272.671
Yxy	31.4215, 0.2489, 0.2589
Android (android.graphics.Color)	4286290633 (0xFF7B9AC9)
YUV	150.0890, 25.0991, -23.7571
Hunter-Lab	56.0549, -1.9031, -23.9401

Details

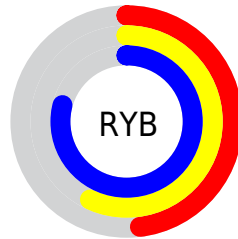
The RYB color **123, 145, 201** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **174, 201, 123**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **178, 200, 255**, and **70, 93, 147** is the 20% darker color. If you saturate the color by 10%, you get **103, 130, 201**, and if you desaturate by 10%, it is **143, 159, 201**.

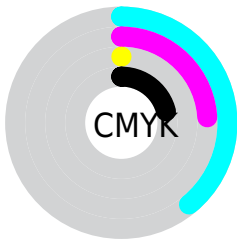
Distribution



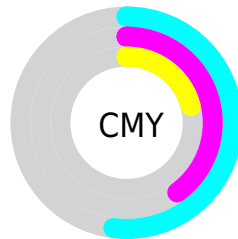
- Red (48%)
- Green (60%)
- Blue (79%)



- Red (48%)
- Yellow (57%)
- Blue (79%)



- Cyan (39%)
- Magenta (24%)
- Yellow (0%)
- Black (21%)



- Cyan (52%)
- Magenta (40%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 145, 201 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 123, 145, 201 by changing the saturation by 10% instead.

 123, 145, 201


255, 255, 255

 178, 200, 255

 206, 225, 255

 235, 245, 255

 123, 145, 201

 96, 119, 174

 70, 93, 147

 43, 68, 121

 10, 40, 96

 0, 24, 72

 0, 10, 49

 0, 1, 28

 0, 0, 0

 123, 145, 201

 123, 145, 201

■ 103, 130, 201

■ 143, 159, 201

■ 83, 116, 201

■ 163, 174, 201

■ 63, 102, 201

■ 183, 188, 201

■ 43, 88, 201

■ 203, 203, 201

■ 23, 73, 201

■ 216, 224, 201

■ 2, 58, 201

■ 229, 244, 201

■ 0, 57, 201

■ 224, 255, 201

■ 205, 255, 201

■ 201, 255, 201

Harmonies

Analogous

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



88, 131, 195



123, 145, 201



158, 145, 194

Triad

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



123, 145, 201



200, 137, 127



112, 151, 164

Complementary

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



123, 145, 201



174, 201, 123

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.



110, 159, 128



123, 145, 201



188, 169, 109

Square

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



123, 145, 201



200, 134, 151



124, 167, 103



85, 129, 166

Rectangle

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



123, 145, 201



178, 139, 182



124, 167, 103



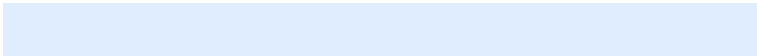
121, 162, 161

Sweetspot

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



123, 145, 201



224, 233, 255



123, 172, 201



110, 115, 128



0, 0, 0



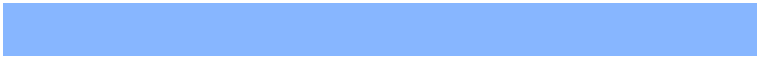
128, 128, 128

Same Dimension

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



123, 145, 201



135, 169, 255



131, 123, 201



90, 92, 99



0, 46, 163



0, 10, 36

Inverse Universe

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



201, 123, 154



255, 135, 182



123, 201, 131



99, 90, 93



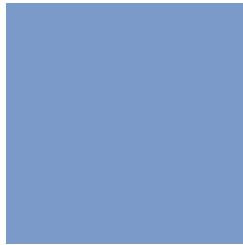
163, 0, 64



36, 0, 14

Previews

White Background



This preview shows how the RYB color 123, 145, 201 looks on a white background.

Color Contrast Check

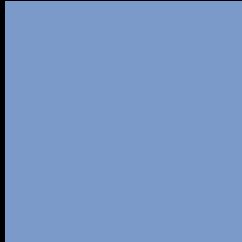
Large Text (above 18pt) WCAG AA × Fail

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 123, 145, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

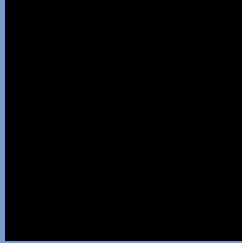
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

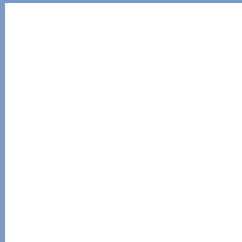
Any Text WCAG AAA ✓ Pass

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

RYB 123, 145, 201 Background



This preview shows how black text looks on a background with the RYB color 123, 145, 201.



This preview shows how white text looks on a background with the RYB color 123, 145, 201.

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

123, 145, 201

Protanopia

139, 148, 198

Deuteranopia

139, 148, 202



Tritanopia
116, 140, 172

Trichromacy



Original Color
123, 145, 201

Protanomaly
133, 147, 199

Deuteranomaly
133, 147, 202

Tritanomaly
119, 143, 183

Monochromacy



Original Color
123, 145, 201

Achromatopsia
150, 150, 150

Achromatomaly
140, 148, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 145, 201 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(123, 154, 201)` looks like.

```
.text, #text, p{  
    color:rgb(123, 154, 201)  
}
```

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(123, 154, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 154, 201) }
```

Border

The CSS property to change the border of an element to RYB 123, 145, 201 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(123, 154, 201) }
```

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

```
.border{ border-color:rgb(123, 154, 201) }
```

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

Here you see how a box with a 4 pixel rgb(123, 154, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 154, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 154, 201);  
box-shadow:4px 4px 4px 4px rgb(123, 154,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 123, 145, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 154, 201) }
```

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

```
.background{ background-color: rgb(123,  
154, 201) }
```

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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