Converting Colors

RYB(123, 144, 196)

Have a look what the booklet for RYB(123, 144, 196) contains.

Color

RYB(123, 144, 196)

Conversions

Conversions Part 1

Format	Color
Hex	7B98C4
RGB	123, 152, 196
RGB Percent	48%, 60%, 77%
CMY	0.5176, 0.4020, 0.2314
CMYK	0.37, 0.22, 0.00, 0.23
HSL	216°, 38%, 63%
HSV	216°, 37%, 77%
XYZ	29.4386, 30.8093, 56.6198
YIQ	148.3450, -31.4080, 7.5360

Conversions

Conversions Part 2

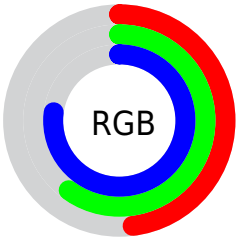
Format	Color
RYB	123, 144, 196
Decimal	8100036
CIELab	62.35, 0.60, -25.75
CIELCh	62, 25.757, 271.325
Yxy	30.8093, 0.2519, 0.2636
Android (android.graphics.Color)	4286290116 (0xFF7B98C4)
YUV	148.3450, 23.4939, -22.2276
Hunter-Lab	55.5062, -2.4653, -21.6252

Details

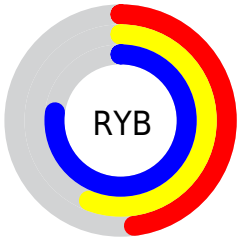
The RYB color 123, 144, 196 is a light color, and the websafe version is hex 6699CC. A complement of this color would be 171, 196, 123, and the grayscale version is 148, 148, 148.

A 20% lighter version of the original color is 178, 198, 253, and 71, 92, 142 is the 20% darker color. If you saturate the color by 10%, you get 103, 130, 196, and if you desaturate by 10%, it is 143, 158, 196.

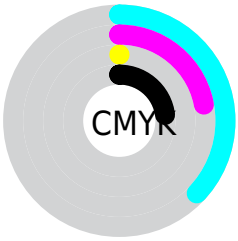
Distribution



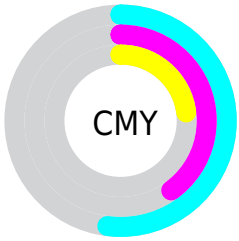
- Red (48%)
- Green (60%)
- Blue (77%)



- Red (48%)
- Yellow (56%)
- Blue (77%)



- Cyan (37%)
- Magenta (22%)
- Yellow (0%)
- Black (23%)



- Cyan (52%)
- Magenta (40%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 144, 196 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, 144, 196 by changing the saturation by 10% instead.

123, 144, 196

255, 255, 255

178, 199, 253

206, 224, 255

234, 245, 255

123, 144, 196

97, 118, 169

71, 93, 142

44, 67, 116

14, 41, 92

0, 23, 68

0, 9, 46

0, 1, 24

0, 0, 0

123, 144, 196

123, 144, 196

103, 130, 196

84, 116, 196

64, 102, 196

45, 88, 196

25, 74, 196

5, 60, 196

0, 56, 196

143, 158, 196

162, 172, 196

182, 186, 196

199, 201, 196

213, 221, 196

226, 241, 196

229, 255, 196

207, 255, 196

196, 255, 196

Harmonies

Analogous

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

93, 132, 190

123, 144, 196

155, 144, 190

Triad

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

123, 144, 196

196, 137, 128

115, 151, 161

Complementary

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

123, 144, 196

171, 196, 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.

111, 156, 125

123, 144, 196

185, 164, 111

Square

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

123, 144, 196

195, 134, 151

127, 166, 105

91, 130, 163

Rectangle

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

123, 144, 196

174, 139, 179

127, 166, 105

122, 160, 158

Sweetspot

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

123, 144, 196

227, 235, 255

123, 169, 196

111, 116, 128

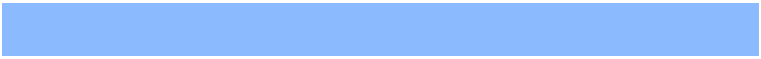
0, 0, 0

128, 128, 128

Same Dimension

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

123, 144, 196



140, 173, 255

129, 123, 196

87, 90, 97

0, 46, 161

0, 9, 33

Inverse Universe

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

196, 123, 152

255, 140, 187

123, 196, 129

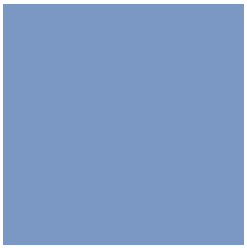
97, 87, 91

161, 0, 65

33, 0, 13

Previews

White Background

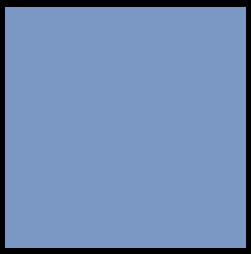


This preview shows how the RYB color 123, 144, 196 looks on a white background.

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, 144, 196 looks on a black background.

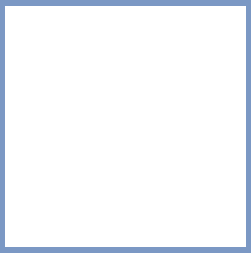
Color Contrast Check

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, 144, 196 Background

This preview shows how black text looks on a background with the RYB color 123, 144, 196.

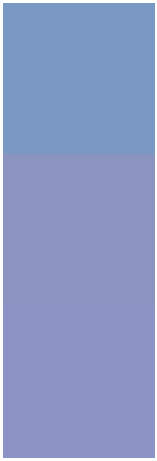


This preview shows how white text looks on a background with the RYB color 123, 144, 196.

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



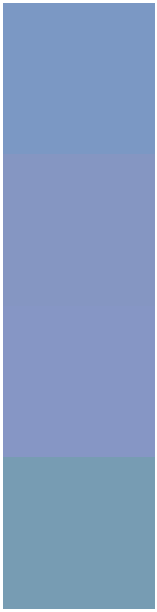
Original Color
123, 144, 196

Protanopia
139, 147, 193

Deuteranopia
140, 147, 197

Tritanopia
117, 140, 170

Trichromacy



Original Color
123, 144, 196

Protanomaly
133, 146, 194

Deuteranomaly
134, 147, 197

Tritanomaly
119, 142, 179

Monochromacy

Original Color
123, 144, 196

Achromatopsia
149, 149, 149

Achromatomaly
140, 147, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 144, 196 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, 152, 196) looks like.

```
.text, #text, p{
    color:rgb(123, 152, 196)
}
```

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, 152, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 152, 196) }
```

Border

The CSS property to change the border of an element to RYB 123, 144, 196 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, 152, 196) }
```

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

```
.border{ border-color:rgb(123, 152, 196) }
```

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

Here you see how a box with a 4 pixel rgb(123, 152, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 152, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 152, 196); box-shadow:4px 4px 4px 4px rgb(123, 152, 196) }
```

Background

The CSS property to change the background color of an element to RYB 123, 144, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(123, 152, 196) }
```

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

```
.background{ background-color:rgb(123,
152, 196) }
```

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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