

Converting Colors

`RYB(123, 146, 206)`

Have a look what the booklet for
RYB(123, 146, 206) contains.

RYB(123, 146, 206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(123, 146, 206)`

Conversions

Conversions Part 1

Format	Color
Hex	7B9BCE
RGB	123, 155, 206
RGB Percent	48%, 61%, 81%
CMY	0.5176, 0.3929, 0.1922
CMYK	0.40, 0.25, 0.00, 0.19
HSL	217°, 46%, 65%
HSV	217°, 40%, 81%
XYZ	30.9998, 32.0489, 62.9447
YIQ	151.2460, -35.4430, 9.0770

Conversions

Conversions Part 2

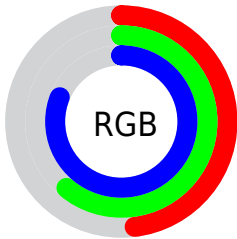
Format	Color
R _Y B	123, 146, 206
Decimal	8100814
CIE Lab	63.38, 2.00, -29.74
CIE LCh	63, 29.808, 273.855
Yxy	32.0489, 0.2460, 0.2544
Android (android.graphics.Color)	4286290894 (0xFF7B9BCE)
YUV	151.2460, 26.9937, -24.7717
Hunter-Lab	56.6117, -1.3264, -26.2944

Details

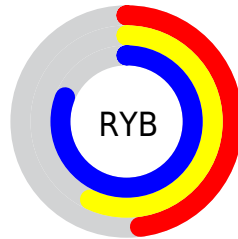
The RYB color **123, 146, 206** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **175, 206, 123**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **178, 200, 255**, and **69, 94, 152** is the 20% darker color. If you saturate the color by 10%, you get **102, 131, 206**, and if you desaturate by 10%, it is **144, 161, 206**.

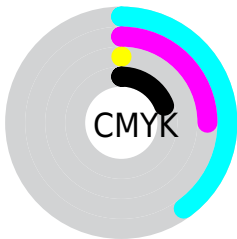
Distribution



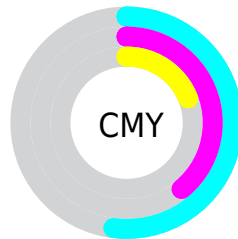
- Red (48%)
- Green (61%)
- Blue (81%)



- Red (48%)
- Yellow (57%)
- Blue (81%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)



- Cyan (52%)
- Magenta (39%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 146, 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 123, 146, 206 by changing the saturation by 10% instead.

 123, 146, 206


255, 255, 255

 178, 200, 255

 206, 225, 255

 235, 245, 255

 123, 146, 206


 96, 120, 178

 69, 94, 151

 42, 68, 125

 5, 39, 100

 0, 24, 76

 0, 11, 53

 0, 2, 31

 0, 0, 3

 0, 0, 0

■ 123, 146, 206

■ 123, 146, 206

■ 102, 131, 206

■ 144, 161, 206

■ 82, 116, 206

■ 164, 176, 206

■ 61, 101, 206

■ 185, 191, 206

■ 41, 87, 206

■ 205, 206, 206

■ 20, 71, 206

■ 219, 226, 206

■ 0, 57, 206

■ 232, 247, 206

■ 220, 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.



84, 131, 200



123, 146, 206



161, 145, 198

Triad

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



123, 146, 206



204, 138, 125



109, 151, 166

Complementary

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



123, 146, 206



175, 206, 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.



109, 161, 130



123, 146, 206



191, 173, 107

Square

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



123, 146, 206



205, 133, 151



119, 168, 100



78, 126, 168

Rectangle

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



123, 146, 206



182, 139, 185



119, 168, 100



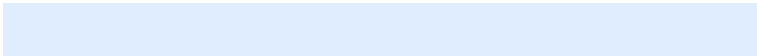
119, 162, 164

Sweetspot

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



123, 146, 206



224, 233, 255



123, 174, 206



110, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 146, 206



133, 167, 255



133, 123, 206



92, 95, 102



0, 46, 166



0, 11, 38

Inverse Universe

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



206, 123, 155



255, 133, 180



123, 206, 133



102, 92, 96



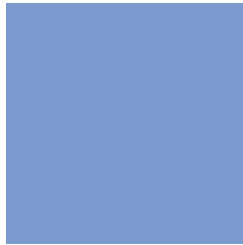
166, 0, 64



38, 0, 15

Previews

White Background



This preview shows how the RYB color 123, 146, 206 looks on a white background.

Color Contrast Check

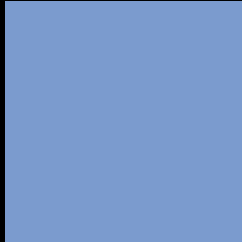
Large Text (above 18pt) WCAG AA × Fail

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 123, 146, 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

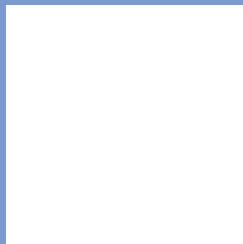
Any Text WCAG AAA ✓ Pass

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

RYB 123, 146, 206 Background



This preview shows how black text looks on a background with the RYB color 123, 146, 206.

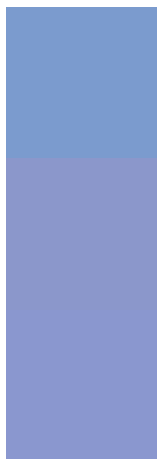


This preview shows how white text looks on a background with the RYB color 123, 146, 206.

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


123, 146, 206

Protanopia

139, 149, 203

Deuteranopia

138, 149, 207



Tritanopia
115, 141, 174

Trichromacy



Original Color

123, 146, 206

Protanomaly

133, 148, 204

Deuteranomaly

133, 148, 207

Tritanomaly

118, 144, 186

Monochromacy



Original Color

123, 146, 206

Achromatopsia

151, 151, 151

Achromatomaly

141, 149, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 146, 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(123, 155, 206)` looks like.

```
.text, #text, p{  
    color:rgb(123, 155, 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(123, 155, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 155, 206) }
```

Border

The CSS property to change the border of an element to RYB 123, 146, 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(123, 155, 206) }
```

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

```
.border{ border-color:rgb(123, 155, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 155, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 155, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 155, 206);  
box-shadow:4px 4px 4px 4px rgb(123, 155,  
206) }
```

Background

The CSS property to change the background color of an element to RYB 123, 146, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 155, 206) }
```

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

```
.background{ background-color: rgb(123,  
155, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor