

Converting Colors

`RYB(128, 155, 204)`

Have a look what the booklet for
RYB(128, 155, 204) contains.

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Color

R_YB(128, 155, 204)

Conversions

Conversions Part 1

Format	Color
Hex	80AACC
RGB	128, 170, 204
RGB Percent	50%, 67%, 80%
CMY	0.4980, 0.3338, 0.2000
CMYK	0.37, 0.17, 0.00, 0.20
HSL	207°, 43%, 65%
HSV	207°, 37%, 80%
XYZ	34.1530, 37.6524, 62.5943
YIQ	161.3180, -35.9460, 1.6700

Conversions

Conversions Part 2

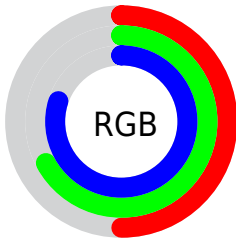
Format	Color
R _{YB}	128, 155, 204
Decimal	8432332
CIE Lab	67.76, -5.58, -21.88
CIE LCh	68, 22.579, 255.686
Yxy	37.6524, 0.2541, 0.2802
Android (android.graphics.Color)	4286622412 (0xFF80AACC)
YUV	161.3180, 21.0422, -29.2199
Hunter-Lab	61.3615, -8.0322, -17.5281

Details

The RYB color **128, 155, 204** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **204, 190, 128**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **183, 210, 255**, and **75, 102, 150** is the 20% darker color. If you saturate the color by 10%, you get **108, 142, 204**, and if you desaturate by 10%, it is **148, 168, 204**.

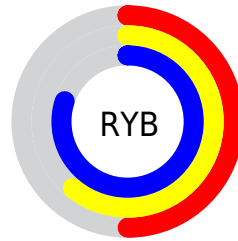
Distribution



Red (50%)

Green (67%)

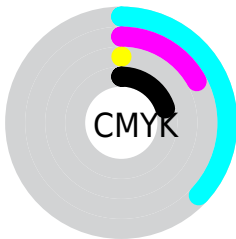
Blue (80%)



Red (50%)

Yellow (61%)

Blue (80%)

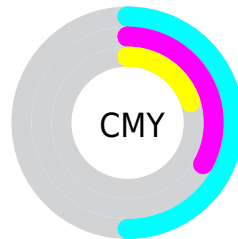


Cyan (37%)

Magenta (17%)

Yellow (0%)

Black (20%)



Cyan (50%)

Magenta (33%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 155, 204 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 128, 155, 204 by changing the saturation by 10% instead.


 128, 155, 204


255, 255, 255


 183, 210, 255

 211, 233, 255

 240, 248, 255

 128, 155, 204


 101, 128, 176

 75, 102, 150

 48, 76, 124

 18, 50, 99

 0, 29, 75

 0, 18, 52

 0, 2, 31

 0, 0, 2

 0, 0, 0

■ 128, 155, 204

■ 128, 155, 204

■ 108, 142, 204

■ 148, 168, 204

■ 87, 129, 204

■ 169, 181, 204

■ 67, 115, 204

■ 189, 194, 204

■ 46, 102, 204

■ 210, 210, 204

■ 26, 89, 204

■ 230, 226, 204

■ 6, 76, 204

■ 250, 243, 204

■ 0, 72, 204

■ 240, 255, 204

■ 220, 255, 204

■ 207, 255, 204

Harmonies

Analogous

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



110, 146, 193



128, 155, 204



155, 162, 204

Triad

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



128, 155, 204



207, 151, 155



136, 173, 163

Complementary

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



128, 155, 204



204, 190, 128

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.



128, 169, 126



128, 155, 204



203, 160, 137

Square

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



128, 155, 204



200, 151, 176



180, 189, 126



124, 157, 176

Rectangle

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



128, 155, 204



173, 159, 198



180, 189, 126



132, 171, 149

Sweetspot

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



128, 155, 204



227, 237, 255



128, 181, 204



111, 117, 128



0, 0, 0



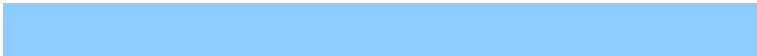
128, 128, 128

Same Dimension

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



128, 155, 204



140, 181, 255



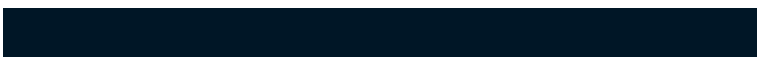
128, 133, 204



92, 95, 102



0, 59, 166



0, 14, 38

Inverse Universe

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



204, 128, 170



255, 140, 203



133, 204, 128



102, 92, 97



166, 0, 91



38, 0, 21

Previews

White Background



This preview shows how the RYB color 128, 155, 204 looks on a white background.

Color Contrast Check

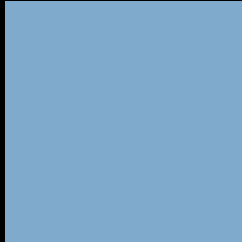
Large Text (above 18pt) WCAG AA × Fail

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 128, 155, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

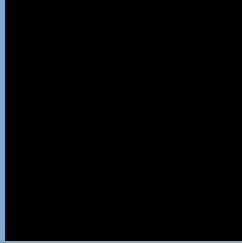
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

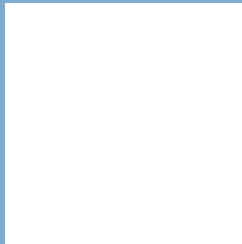
Any Text WCAG AAA ✓ Pass

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

RYB 128, 155, 204 Background



This preview shows how black text looks on a background with the RYB color 128, 155, 204.

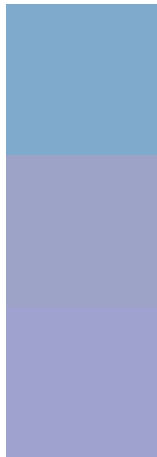


This preview shows how white text looks on a background with the RYB color 128, 155, 204.

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
128, 155, 204

Protanopia
157, 162, 199

Deuteranopia
159, 161, 206



Tritanopia
124, 152, 187

Trichromacy



Original Color
128, 155, 204

Protanomaly
146, 161, 201

Deuteranomaly
148, 160, 205

Tritanomaly
125, 153, 193

Monochromacy



Original Color
128, 155, 204

Achromatopsia
161, 161, 161

Achromatomaly
149, 159, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 155, 204 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(128, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(128, 170, 204)  
}
```

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(128, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 170, 204) }
```

Border

The CSS property to change the border of an element to RYB 128, 155, 204 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(128, 170, 204) }
```

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

```
.border{ border-color:rgb(128, 170, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(128, 170,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 128, 155, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 170, 204) }
```

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

```
.background{ background-color: rgb(128,  
170, 204) }
```

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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