

Converting Colors

`RYB(119, 181, 218)`

Have a look what the booklet for
RYB(119, 181, 218) contains.

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Color

R_YB(119, 181, 218)

Conversions

Conversions Part 1

Format	Color
Hex	77DAB2
RGB	119, 218, 178
RGB Percent	47%, 85%, 70%
CMY	0.5333, 0.1451, 0.3016
CMYK	0.45, 0.00, 0.18, 0.15
HSL	156°, 57%, 66%
HSV	156°, 45%, 85%
XYZ	40.7231, 57.2823, 51.0722
YIQ	183.8390, -46.1640, -33.4280

Conversions

Conversions Part 2

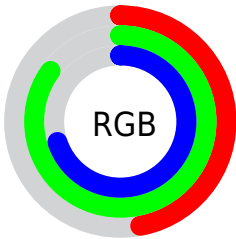
Format	Color
RYB	119, 181, 218
Decimal	7854770
CIELab	80.34, -38.31, 10.70
CIElCh	80, 39.779, 164.389
Yxy	57.2823, 0.2732, 0.3842
Android (android.graphics.Color)	4286044850 (0xFF77DAB2)
YUV	183.8390, -2.8786, -56.8638
Hunter-Lab	75.6851, -36.4052, 12.9707

Details

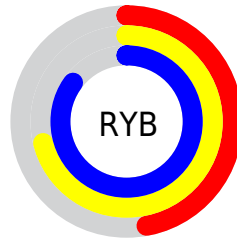
The RYB color **119, 181, 218** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **218, 119, 159**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **176, 222, 255**, and **62, 123, 162** is the 20% darker color. If you saturate the color by 10%, you get **97, 173, 218**, and if you desaturate by 10%, it is **141, 189, 218**.

Distribution



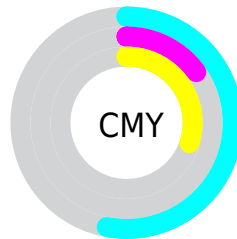
- Red (47%)
- Green (85%)
- Blue (70%)



- Red (47%)
- Yellow (71%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)




- Cyan (53%)
- Magenta (15%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 181, 218 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 119, 181, 218 by changing the saturation by 10% instead.

 119, 181, 218


255, 255, 255


 176, 222, 255

 205, 230, 255

 234, 245, 255

 119, 181, 218

 91, 153, 190


 62, 123, 162

 27, 92, 136

 0, 65, 110

 0, 52, 85

 0, 40, 61


 0, 31, 39


 0, 2, 2


 0, 0, 0

 119, 181, 218


 119, 181, 218

 97, 173, 218

 141, 189, 218

 75, 164, 218


 163, 197, 218

 54, 157, 218

 184, 205, 218

 32, 148, 218

 206, 214, 218

 10, 140, 218

 228, 218, 222

 0, 137, 218

 250, 218, 231

 255, 218, 240

 255, 218, 248

 255, 218, 255

Harmonies

Analogous

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



145, 212, 192



119, 181, 218



73, 147, 219

Triad

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



119, 181, 218



175, 192, 255



255, 189, 149

Complementary

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



119, 181, 218



218, 119, 159

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.



255, 171, 183



119, 181, 218



226, 183, 253

Square

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



119, 181, 218



115, 171, 255



255, 173, 220



221, 241, 128

Rectangle

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



119, 181, 218



58, 143, 240



255, 173, 220



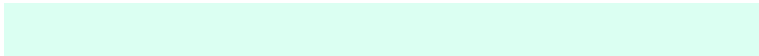
255, 178, 159

Sweetspot

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



119, 181, 218



219, 241, 255



119, 218, 177



106, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



119, 181, 218



117, 204, 255



119, 166, 218



99, 106, 110



0, 108, 173



0, 29, 46

Inverse Universe

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



218, 119, 159



255, 117, 173



218, 128, 119



110, 99, 103



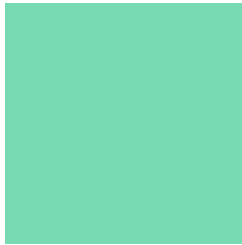
173, 0, 70



46, 0, 19

Previews

White Background



This preview shows how the RYB color 119, 181, 218 looks on a white background.

Color Contrast Check

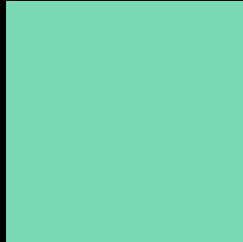
Large Text (above 18pt) WCAG AA × Fail

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 119, 181, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

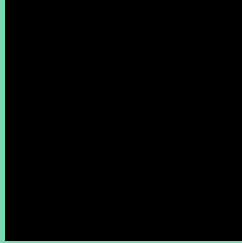
Any Text WCAG AA ✓ Pass

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 119, 181, 218 Background



This preview shows how black text looks on a background with the RYB color 119, 181, 218.

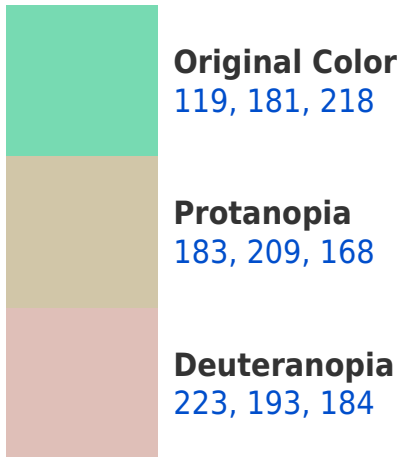


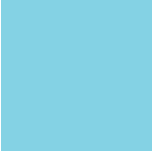
This preview shows how white text looks on a background with the RYB color 119, 181, 218.

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





Tritanopia
132, 175, 228

Trichromacy



Original Color

119, 181, 218



Protanomaly

172, 205, 201



Deuteranomaly

182, 201, 198



Tritanomaly

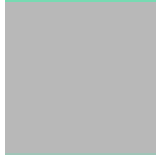
127, 172, 214

Monochromacy



Original Color

119, 181, 218



Achromatopsia

184, 184, 184



Achromatomaly

160, 182, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 181, 218 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(119, 218, 178)` looks like.

```
.text, #text, p{  
    color:rgb(119, 218, 178)  
}
```

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(119, 218, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 218, 178) }
```

Border

The CSS property to change the border of an element to RYB 119, 181, 218 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(119, 218, 178) }
```

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

```
.border{ border-color:rgb(119, 218, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 218, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 218, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 218, 178);  
box-shadow:4px 4px 4px 4px rgb(119, 218,  
178) }
```

Background

The CSS property to change the background color of an element to RYB 119, 181, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 218, 178) }
```

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

```
.background{ background-color: rgb(119,  
218, 178) }
```

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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