

Converting Colors

`RYB(120, 187, 228)`

Have a look what the booklet for
RYB(120, 187, 228) contains.

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Color

R_YB(120, 187, 228)

Conversions

Conversions Part 1

Format	Color
Hex	78E4BA
RGB	120, 228, 186
RGB Percent	47%, 89%, 73%
CMY	0.5294, 0.1059, 0.2702
CMYK	0.47, 0.00, 0.18, 0.11
HSL	157°, 67%, 68%
HSV	157°, 47%, 89%
XYZ	44.3616, 63.0289, 56.3320
YIQ	190.9200, -50.8860, -35.9580

Conversions

Conversions Part 2

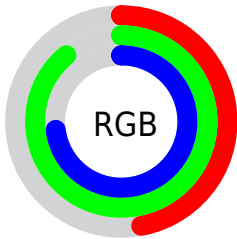
Format	Color
RYB	120, 187, 228
Decimal	7922874
CIELab	83.46, -40.85, 10.92
CIElCh	83, 42.285, 165.031
Yxy	63.0289, 0.2710, 0.3850
Android (android.graphics.Color)	4286112954 (0xFF78E4BA)
YUV	190.9200, -2.4256, -62.1968
Hunter-Lab	79.3907, -39.1923, 13.5040

Details

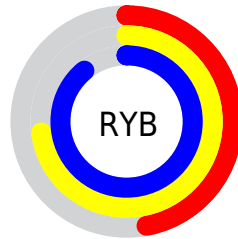
The RYB color **120, 187, 228** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **228, 120, 162**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **178, 220, 255**, and **61, 128, 172** is the 20% darker color. If you saturate the color by 10%, you get **97, 178, 228**, and if you desaturate by 10%, it is **143, 196, 228**.

Distribution



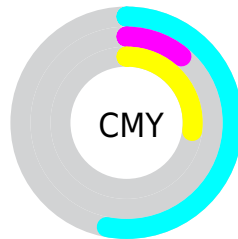
- Red (47%)
- Green (89%)
- Blue (73%)



- Red (47%)
- Yellow (73%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)




- Cyan (53%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 187, 228 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 120, 187, 228 by changing the saturation by 10% instead.


 120, 187, 228


255, 255, 255


 178, 220, 255

 207, 231, 255

 236, 246, 255

 120, 187, 228

 91, 158, 200

 61, 128, 172

 23, 95, 145

 0, 70, 119

 0, 57, 93


 0, 44, 69


 0, 33, 46


 0, 20, 20


 0, 0, 0

 120, 187, 228


 120, 187, 228

 97, 178, 228


 143, 196, 228

 74, 170, 228

 166, 204, 228

 52, 161, 228

 188, 213, 228

 29, 152, 228

 211, 222, 228

 6, 144, 228

 234, 228, 230

 0, 141, 228

 255, 228, 239

 255, 228, 248

 255, 228, 255

Harmonies

Analogous

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



150, 222, 202



120, 187, 228



67, 149, 229

Triad

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



120, 187, 228



183, 200, 255



255, 200, 153

Complementary

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



120, 187, 228



228, 120, 162

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, 178, 189



120, 187, 228



238, 190, 255

Square

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



120, 187, 228



117, 175, 255



255, 180, 230



225, 252, 131

Rectangle

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



120, 187, 228



48, 144, 252



255, 180, 230



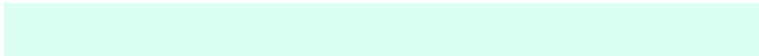
255, 186, 164

Sweetspot

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



120, 187, 228



219, 241, 255



120, 228, 185



106, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 187, 228



110, 200, 255



120, 171, 228



103, 111, 115



0, 111, 179



0, 32, 51

Inverse Universe

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



228, 120, 162



255, 110, 166



228, 132, 120



115, 103, 108



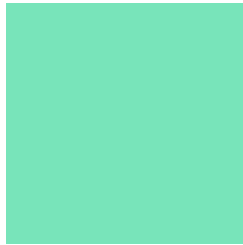
179, 0, 69



51, 0, 20

Previews

White Background



This preview shows how the RYB color 120, 187, 228 looks on a white background.

Color Contrast Check

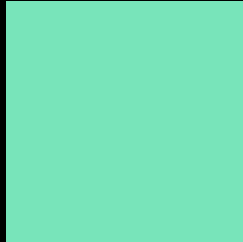
Large Text (above 18pt) WCAG AA × Fail

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 120, 187, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

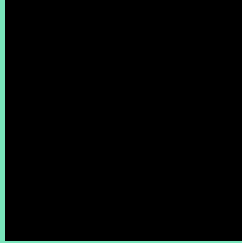
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

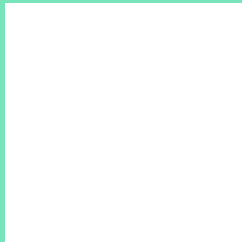
Any Text WCAG AAA ✓ Pass

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

RYB 120, 187, 228 Background



This preview shows how black text looks on a background with the RYB color 120, 187, 228.

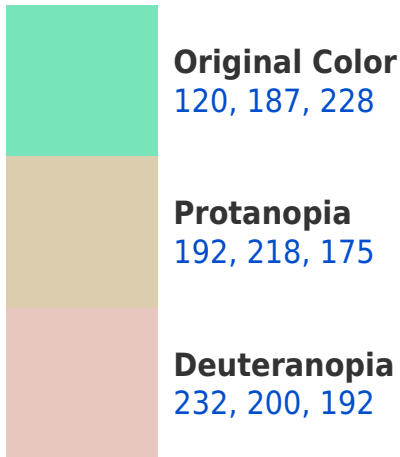



This preview shows how white text looks on a background with the RYB color 120, 187, 228.

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
134, 182, 239

Trichromacy



Original Color

120, 187, 228



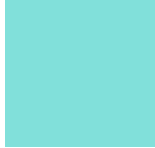
Protanomaly

179, 214, 211



Deuteranomaly

190, 210, 209



Tritanomaly

129, 178, 224

Monochromacy



Original Color

120, 187, 228



Achromatopsia

191, 191, 191



Achromatomaly

165, 189, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 187, 228 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(120, 228, 186)` looks like.

```
.text, #text, p{  
    color:rgb(120, 228, 186)  
}
```

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(120, 228, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 228, 186) }
```

Border

The CSS property to change the border of an element to RYB 120, 187, 228 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(120, 228, 186) }
```

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

```
.border{ border-color:rgb(120, 228, 186) }
```

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

Here you see how a box with a 4 pixel rgb(120, 228, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 228, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 228, 186);  
box-shadow:4px 4px 4px 4px rgb(120, 228,  
186) }
```

Background

The CSS property to change the background color of an element to RYB 120, 187, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 228, 186) }
```

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

```
.background{ background-color: rgb(120,  
228, 186) }
```

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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