

Converting Colors

`RYB(120, 180, 237)`

Have a look what the booklet for
RYB(120, 180, 237) contains.

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Color

R_YB(120, 180, 237)

Conversions

Conversions Part 1

Format	Color
Hex	78EDE7
RGB	120, 237, 231
RGB Percent	47%, 93%, 91%
CMY	0.5294, 0.0706, 0.0935
CMYK	0.49, 0.00, 0.02, 0.07
HSL	177°, 76%, 70%
HSV	177°, 49%, 93%
XYZ	52.4749, 70.3394, 86.5236
YIQ	201.3330, -67.8060, -26.6700

Conversions

Conversions Part 2

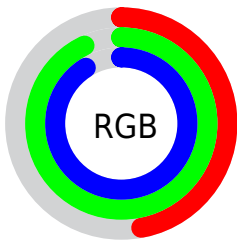
Format	Color
RYB	120, 180, 237
Decimal	7925223
CIELab	87.16, -34.49, -7.38
CIELCh	87, 35.269, 192.080
Yxy	70.3394, 0.2507, 0.3360
Android (android.graphics.Color)	4286115303 (0xFF78EDE7)
YUV	201.3330, 14.6258, -71.3290
Hunter-Lab	83.8686, -35.0862, -2.4589

Details

The RYB color **120, 180, 237** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **237, 120, 126**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **180, 218, 255**, and **56, 120, 181** is the 20% darker color. If you saturate the color by 10%, you get **96, 168, 237**, and if you desaturate by 10%, it is **144, 192, 237**.

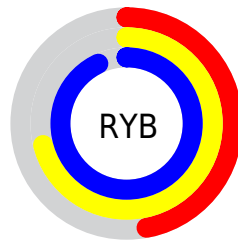
Distribution



Red (47%)

Green (93%)

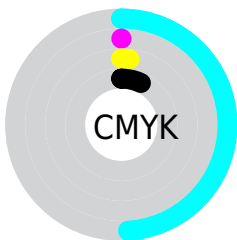
Blue (91%)



Red (47%)

Yellow (71%)

Blue (93%)

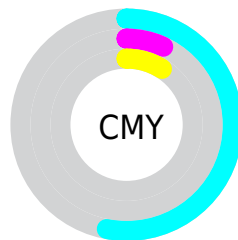


Cyan (49%)

Magenta (0%)

Yellow (2%)

Black (7%)



Cyan (53%)


Magenta (7%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 180, 237 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, 180, 237 by changing the saturation by 10% instead.


 120, 180, 237


255, 255, 255


 180, 218, 255

 209, 232, 255

 240, 248, 255

 120, 180, 237


 89, 150, 208

 56, 120, 181


 0, 78, 154

 0, 65, 127

 0, 52, 102

 0, 39, 77

 0, 27, 53

 0, 17, 33

 0, 0, 6

120, 180, 237

120, 180, 237

96, 168, 237

144, 192, 237

73, 157, 237

167, 203, 237

49, 145, 237

191, 215, 237

25, 134, 237

215, 226, 237

2, 123, 237

238, 237, 237

0, 122, 237

255, 237, 238

255, 237, 239

255, 237, 241

255, 237, 242

Harmonies

Analogous

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



152, 206, 235



120, 180, 237



114, 179, 255

Triad

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



120, 180, 237



240, 205, 255



240, 255, 155

Complementary

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



120, 180, 237



237, 120, 126

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, 209, 175



120, 180, 237



255, 196, 240

Square

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



120, 180, 237



195, 211, 255



255, 194, 206



160, 228, 152

Rectangle

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



120, 180, 237



133, 187, 255



255, 194, 206



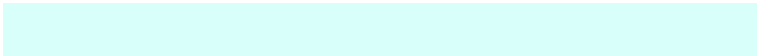
255, 249, 160

Sweetspot

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



120, 180, 237



217, 237, 255



120, 237, 231



105, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 180, 237



105, 182, 255



120, 162, 237



106, 112, 117



0, 93, 181



0, 28, 54

Inverse Universe

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



237, 120, 126



255, 105, 112



237, 217, 120



117, 106, 106



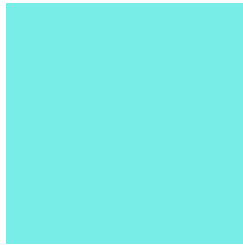
181, 0, 9



54, 0, 3

Previews

White Background



This preview shows how the RYB color 120, 180, 237 looks on a white background.

Color Contrast Check

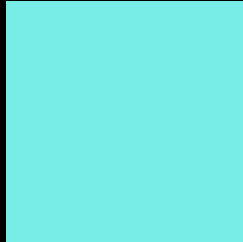
Large Text (above 18pt) WCAG AA × Fail

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, 180, 237 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, 180, 237 Background



This preview shows how black text looks on a background with the RYB color 120, 180, 237.

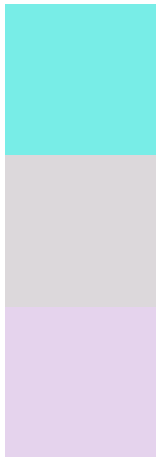


This preview shows how white text looks on a background with the RYB color 120, 180, 237.

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](#).

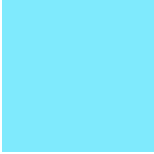
Dichromacy



Original Color
120, 180, 237

Protanopia
220, 216, 219

Deuteranopia
229, 211, 237



Tritanopia
127, 185, 253

Trichromacy



Original Color

120, 180, 237



Protanomaly

184, 204, 224



Deuteranomaly

189, 208, 235



Tritanomaly

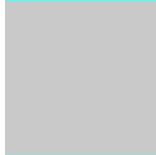
124, 182, 245

Monochromacy



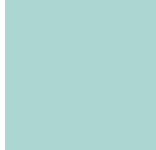
Original Color

120, 180, 237



Achromatopsia

201, 201, 201



Achromatomaly

172, 194, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 180, 237 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, 237, 231)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 231)  
}
```

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, 237, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 231) }
```

Border

The CSS property to change the border of an element to RYB 120, 180, 237 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, 237, 231) }
```

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

```
.border{ border-color:rgb(120, 237, 231) }
```

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

Here you see how a box with a 4 pixel rgb(120, 237, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 237, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 237, 231);  
box-shadow:4px 4px 4px 4px rgb(120, 237,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 120, 180, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 231) }
```

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

```
.background{ background-color: rgb(120,  
237, 231) }
```

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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