

Converting Colors

`RYB(120, 171, 232)`

Have a look what the booklet for
RYB(120, 171, 232) contains.

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Color

R_YB(120, 171, 232)

Conversions

Conversions Part 1

Format	Color
Hex	78D6E8
RGB	120, 214, 232
RGB Percent	47%, 84%, 91%
CMY	0.5294, 0.1622, 0.0902
CMYK	0.48, 0.08, 0.00, 0.09
HSL	190°, 71%, 69%
HSV	190°, 48%, 91%
XYZ	46.2666, 57.7300, 85.0484
YIQ	187.9460, -61.8020, -14.3300

Conversions

Conversions Part 2

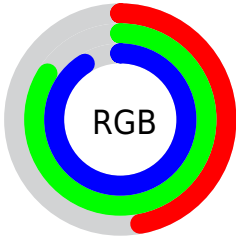
Format	Color
RYB	120, 171, 232
Decimal	7919336
CIELab	80.59, -23.01, -17.66
CIELCh	81, 29.004, 217.504
Yxy	57.7300, 0.2447, 0.3054
Android (android.graphics.Color)	4286109416 (0xFF78D6E8)
YUV	187.9460, 21.7186, -59.5886
Hunter-Lab	75.9803, -24.2717, -13.1800

Details

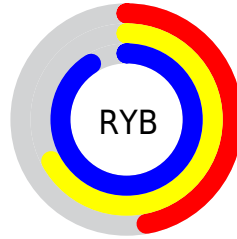
The RYB color **120, 171, 232** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **232, 141, 120**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **178, 217, 255**, and **59, 113, 176** is the 20% darker color. If you saturate the color by 10%, you get **97, 159, 232**, and if you desaturate by 10%, it is **143, 183, 232**.

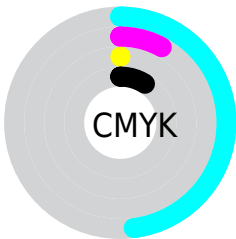
Distribution



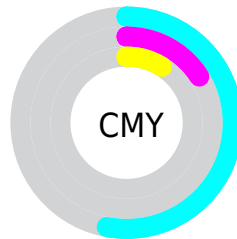
- Red (47%)
- Green (84%)
- Blue (91%)



- Red (47%)
- Yellow (67%)
- Blue (91%)



- Cyan (48%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)




- Cyan (53%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 171, 232 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, 171, 232 by changing the saturation by 10% instead.


 120, 171, 232


255, 255, 255


 178, 217, 255

 208, 232, 255

 238, 247, 255

 120, 171, 232


 90, 142, 204

 59, 113, 176

 15, 78, 150

 0, 57, 124

 0, 45, 99


 0, 33, 75


 0, 22, 52

 0, 5, 32


 0, 0, 3

 120, 171, 232


 120, 171, 232

 97, 159, 232


 143, 183, 232

 74, 146, 232

 166, 196, 232

 50, 133, 232

 190, 209, 232

 27, 120, 232

 213, 222, 232

 4, 108, 232

 236, 233, 232

 0, 106, 232

 255, 237, 232

 255, 244, 232

 253, 255, 232

 242, 255, 232

Harmonies

Analogous

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



127, 173, 215



120, 171, 232



140, 182, 249

Triad

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



120, 171, 232



241, 183, 221



162, 213, 146

Complementary

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



120, 171, 232



232, 141, 120

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.



238, 225, 151



120, 171, 232



254, 180, 194

Square

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



120, 171, 232



213, 191, 243



253, 188, 168



156, 208, 181

Rectangle

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



120, 171, 232



163, 191, 254



253, 188, 168



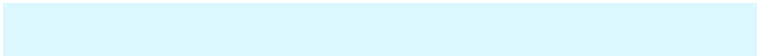
183, 222, 146

Sweetspot

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



120, 171, 232



219, 235, 255



120, 217, 232



106, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 171, 232



107, 174, 255



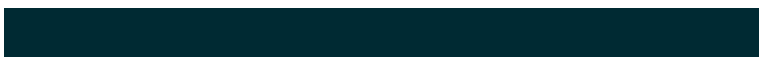
120, 149, 232



103, 108, 115



0, 81, 179



0, 23, 51

Inverse Universe

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



232, 120, 214



255, 107, 231



180, 232, 120



115, 103, 113



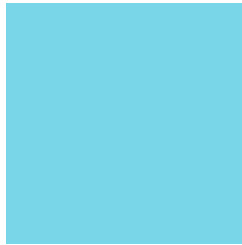
179, 0, 149



51, 0, 43

Previews

White Background



This preview shows how the RYB color 120, 171, 232 looks on a white background.

Color Contrast Check

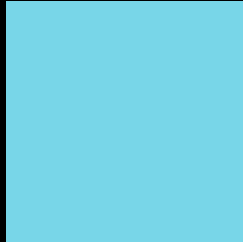
Large Text (above 18pt) WCAG AA × Fail

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, 171, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

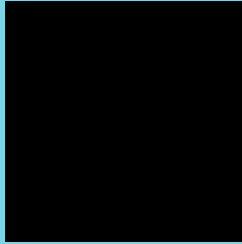
Any Text WCAG AA ✓ Pass

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, 171, 232 Background



This preview shows how black text looks on a background with the RYB color 120, 171, 232.

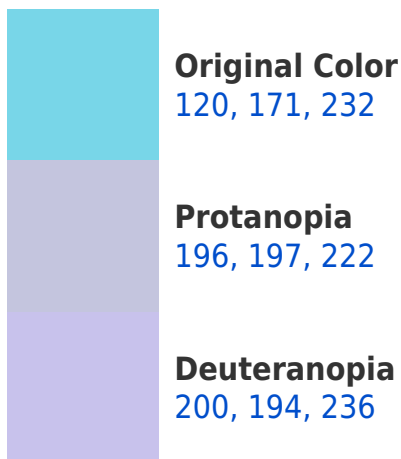


This preview shows how white text looks on a background with the RYB color 120, 171, 232.

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](#).

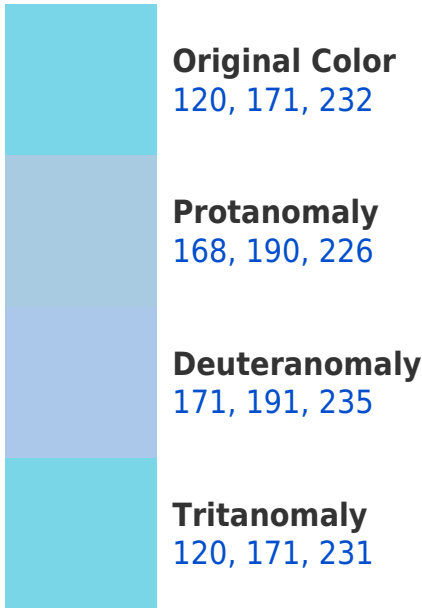
Dichromacy



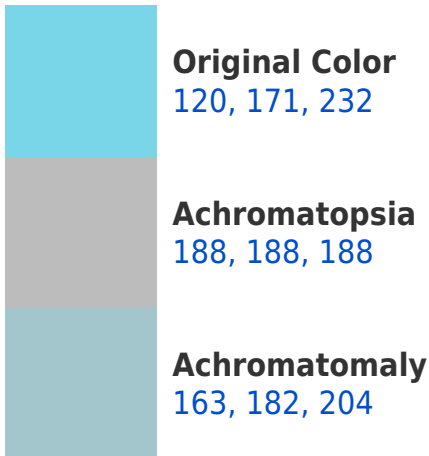


Tritanopia
120, 171, 231

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 171, 232 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, 214, 232)` looks like.

```
.text, #text, p{  
    color:rgb(120, 214, 232)  
}
```

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, 214, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 214, 232) }
```

Border

The CSS property to change the border of an element to RYB 120, 171, 232 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, 214, 232) }
```

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

```
.border{ border-color:rgb(120, 214, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 214, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 214, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 214, 232);  
box-shadow:4px 4px 4px 4px rgb(120, 214,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 120, 171, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 214, 232) }
```

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

```
.background{ background-color: rgb(120,  
214, 232) }
```

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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