

Converting Colors

`RYB(108, 172, 229)`

Have a look what the booklet for
RYB(108, 172, 229) contains.

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Color

R_YB(108, 172, 229)

Conversions

Conversions Part 1

Format	Color
Hex	6CE5D8
RGB	108, 229, 216
RGB Percent	42%, 90%, 85%
CMY	0.5765, 0.1020, 0.1539
CMYK	0.53, 0.00, 0.06, 0.10
HSL	173°, 70%, 66%
HSV	173°, 53%, 90%
XYZ	46.5680, 64.1725, 74.7391
YIQ	191.3390, -67.9430, -29.6950

Conversions

Conversions Part 2

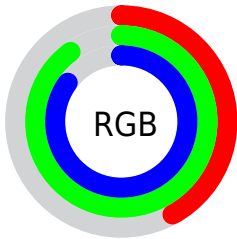
Format	Color
RYB	108, 172, 229
Decimal	7136728
CIELab	84.06, -37.10, -3.92
CIELCh	84, 37.307, 186.024
Yxy	64.1725, 0.2511, 0.3460
Android (android.graphics.Color)	4285326808 (0xFF6CE5D8)
YUV	191.3390, 12.1579, -73.0883
Hunter-Lab	80.1078, -36.4234, 0.7589

Details

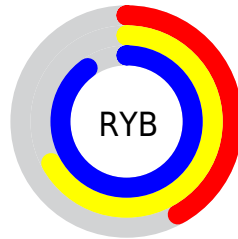
The RYB color **108, 172, 229** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **229, 108, 121**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **168, 212, 255**, and **39, 109, 173** is the 20% darker color. If you saturate the color by 10%, you get **85, 161, 229**, and if you desaturate by 10%, it is **131, 183, 229**.

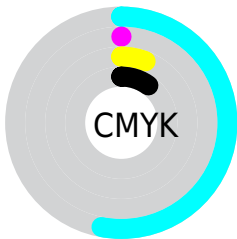
Distribution



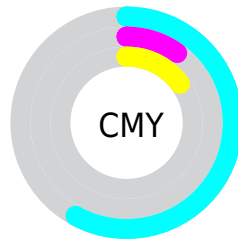
- Red (42%)
- Green (90%)
- Blue (85%)



- Red (42%)
- Yellow (67%)
- Blue (90%)



- Cyan (53%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (58%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 108, 172, 229 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 108, 172, 229 by changing the saturation by 10% instead.

 108, 172, 229


255, 255, 255


 168, 212, 255

 198, 227, 255

 228, 242, 255

 108, 172, 229

 76, 142, 201

 39, 109, 173


 0, 76, 146

 0, 63, 120

 0, 49, 94

 0, 37, 70

 0, 25, 47

 0, 12, 23

 0, 0, 0

■ 108, 172, 229

■ 108, 172, 229

■ 85, 161, 229

■ 131, 183, 229

■ 62, 150, 229

■ 154, 194, 229

■ 39, 140, 229

■ 177, 205, 229

■ 16, 129, 229

■ 200, 215, 229

■ 0, 121, 229

■ 223, 226, 229

■ 245, 229, 231

■ 255, 229, 233

■ 255, 229, 236

■ 255, 229, 238

Harmonies

Analogous

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



147, 203, 226



108, 172, 229



91, 164, 250

Triad

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



108, 172, 229



224, 198, 255



255, 245, 146

Complementary

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



108, 172, 229



229, 108, 121

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, 191, 170



108, 172, 229



255, 187, 239

Square

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



108, 172, 229



173, 199, 255



255, 183, 204



160, 227, 139

Rectangle

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



108, 172, 229



107, 172, 255



255, 183, 204



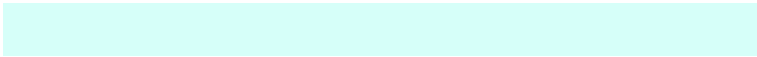
255, 222, 153

Sweetspot

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



108, 172, 229



214, 236, 255



108, 229, 215



103, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



108, 172, 229



94, 179, 255



108, 154, 229



103, 110, 115



0, 95, 179



0, 27, 51

Inverse Universe

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



229, 108, 121



255, 94, 112



229, 182, 108



115, 103, 105



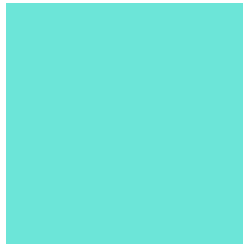
179, 0, 20



51, 0, 6

Previews

White Background



This preview shows how the RYB color 108, 172, 229 looks on a white background.

Color Contrast Check

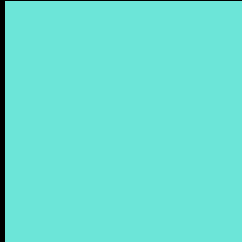
Large Text (above 18pt) WCAG AA × Fail

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 108, 172, 229 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

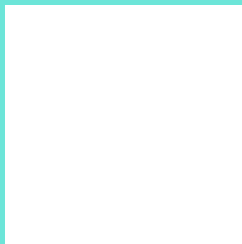
Any Text WCAG AAA ✓ Pass

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

RYB 108, 172, 229 Background



This preview shows how black text looks on a background with the RYB color 108, 172, 229.

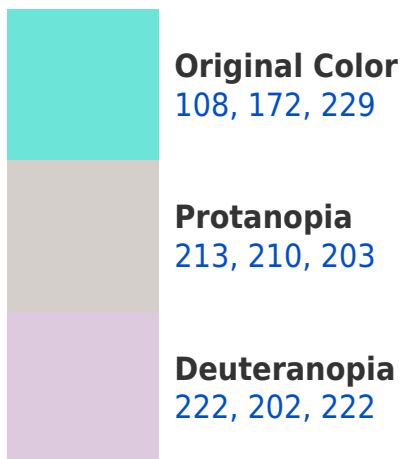


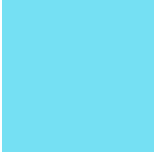
This preview shows how white text looks on a background with the RYB color 108, 172, 229.

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
117, 175, 243

Trichromacy



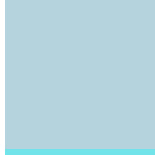
Original Color

108, 172, 229



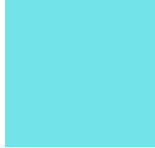
Protanomaly

175, 197, 215



Deuteranomaly

181, 198, 220



Tritanomaly

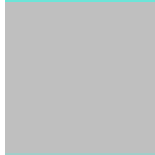
114, 172, 233

Monochromacy



Original Color

108, 172, 229



Achromatopsia

191, 191, 191



Achromatomaly

161, 184, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 108, 172, 229 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(108, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(108, 229, 216)  
}
```

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(108, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 229, 216) }
```

Border

The CSS property to change the border of an element to RYB 108, 172, 229 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(108, 229, 216) }
```

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

```
.border{ border-color:rgb(108, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 229, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 229, 216); box-shadow:4px 4px 4px 4px rgb(108, 229, 216) }
```

Background

The CSS property to change the background color of an element to RYB 108, 172, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 229, 216) }
```

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

```
.background{ background-color: rgb(108,  
229, 216) }
```

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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