

Converting Colors

`RYB(71, 147, 228)`

Have a look what the booklet for
RYB(71, 147, 228) contains.

RYB(71, 147, 228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(71, 147, 228)`

Conversions

Conversions Part 1

Format	Color
Hex	47DAE4
RGB	71, 218, 228
RGB Percent	28%, 85%, 89%
CMY	0.7216, 0.1439, 0.1059
CMYK	0.69, 0.04, 0.00, 0.11
HSL	184°, 74%, 59%
HSV	184°, 69%, 89%
XYZ	41.7536, 57.2441, 82.2474
YIQ	175.1870, -90.8220, -28.0540

Conversions

Conversions Part 2

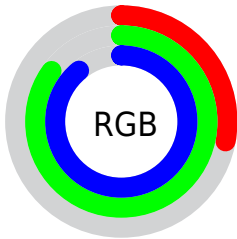
Format	Color
RYB	71, 147, 228
Decimal	4709092
CIELab	80.32, -35.07, -16.08
CIELCh	80, 38.578, 204.637
Yxy	57.2441, 0.2304, 0.3158
Android (android.graphics.Color)	4282899172 (0xFF47DAE4)
YUV	175.1870, 26.0368, -91.3720
Hunter-Lab	75.6598, -33.8976, -11.4904

Details

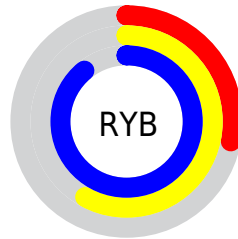
The RYB color **71, 147, 228** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **228, 82, 71**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **139, 197, 255**, and **0, 84, 173** is the 20% darker color. If you saturate the color by 10%, you get **48, 135, 228**, and if you desaturate by 10%, it is **94, 159, 228**.

Distribution



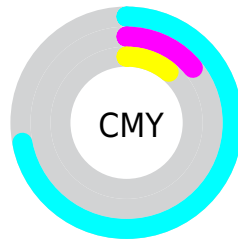
- Red (28%)
- Green (85%)
- Blue (89%)



- Red (28%)
- Yellow (58%)
- Blue (89%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



















- Cyan (72%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 71, 147, 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 71, 147, 228 by changing the saturation by 10% instead.

 71, 147, 228	 71, 147, 228
 255, 255, 255	 16, 105, 200
 139, 197, 255	 0, 84, 173
 170, 213, 255	 0, 70, 146
 201, 228, 255	 0, 57, 120
 232, 244, 255	 0, 45, 96
	 0, 33, 72
	 0, 22, 49
	 0, 4, 29
	 0, 0, 0

■ 71, 147, 228

■ 71, 147, 228

■ 48, 135, 228

■ 94, 159, 228

■ 25, 123, 228

■ 117, 171, 228

■ 3, 112, 228

■ 139, 182, 228

■ 0, 110, 228

■ 162, 194, 228

■ 185, 206, 228

■ 208, 218, 228

■ 231, 228, 228

■ 253, 230, 228

■ 255, 231, 228

Harmonies

Analogous

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



107, 170, 218



71, 147, 228



85, 158, 255

Triad

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



71, 147, 228



239, 180, 241



180, 230, 127

Complementary

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



71, 147, 228



228, 82, 71

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, 206, 142



71, 147, 228



255, 172, 207

Square

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



71, 147, 228



195, 192, 255



255, 173, 171



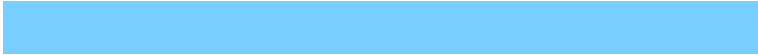
133, 206, 146

Rectangle

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



71, 147, 228



120, 173, 255



255, 173, 171



218, 240, 130

Sweetspot

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



71, 147, 228



201, 227, 255



71, 220, 228



96, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



71, 147, 228



43, 146, 255



71, 120, 228



103, 109, 115



0, 86, 179



0, 25, 51

Inverse Universe

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



228, 71, 218



255, 43, 242



201, 228, 71



115, 103, 114



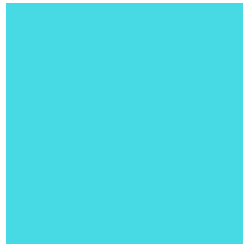
179, 0, 167



51, 0, 48

Previews

White Background



This preview shows how the RYB color 71, 147, 228 looks on a white background.

Color Contrast Check

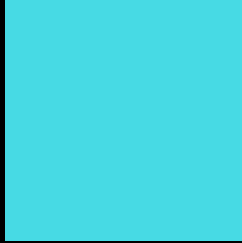
Large Text (above 18pt) WCAG AA × Fail

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 71, 147, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

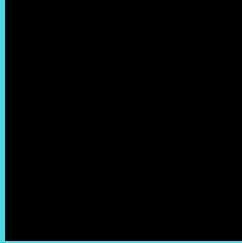
Any Text WCAG AA ✓ Pass

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 71, 147, 228 Background



This preview shows how black text looks on a background with the RYB color 71, 147, 228.

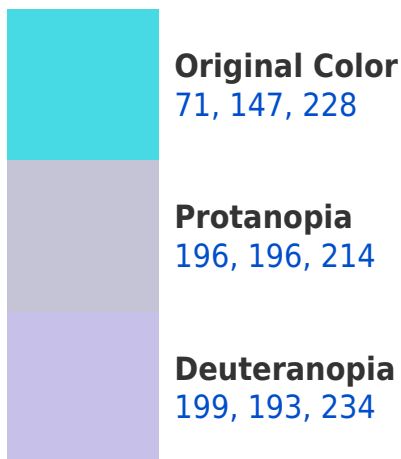


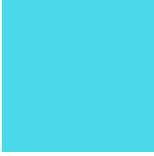
This preview shows how white text looks on a background with the RYB color 71, 147, 228.

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
75, 150, 235

Trichromacy



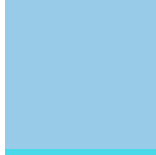
Original Color

71, 147, 228



Protanomaly

151, 181, 219



Deuteranomaly

152, 183, 232



Tritanomaly

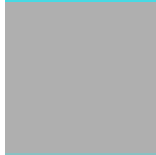
74, 149, 232

Monochromacy



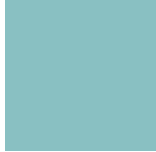
Original Color

71, 147, 228



Achromatopsia

175, 175, 175



Achromatomaly

137, 165, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 71, 147, 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(71, 218, 228) looks like.

```
.text, #text, p{  
    color:rgb(71, 218, 228)  
}
```

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(71, 218, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 218, 228) }
```

Border

The CSS property to change the border of an element to RYB 71, 147, 228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

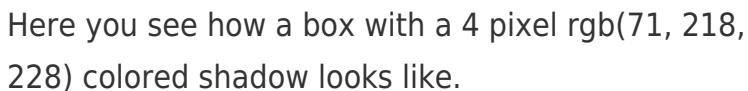
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 218, 228) }
```

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

```
.border{ border-color:rgb(71, 218, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 218, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 218, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 218, 228); box-shadow:4px 4px 4px 4px rgb(71, 218, 228) }
```

Background

The CSS property to change the background color of an element to RGB 71, 147, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 218, 228) }
```

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

```
.background{ background-color: rgb(71, 218,  
228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor