

Converting Colors

`RYB(7, 147, 253)`

Have a look what the booklet for
RYB(7, 147, 253) contains.

RYB(7, 147, 253)	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(7, 147, 253)

Conversions

Conversions Part 1

Format	Color
Hex	07FDC1
RGB	7, 253, 193
RGB Percent	3%, 99%, 76%
CMY	0.9725, 0.0078, 0.2421
CMYK	0.97, 0.00, 0.24, 0.01
HSL	165°, 98%, 51%
HSV	165°, 97%, 99%
XYZ	44.8673, 74.1575, 62.5517
YIQ	172.6060, -127.3560, -70.8120

Conversions

Conversions Part 2

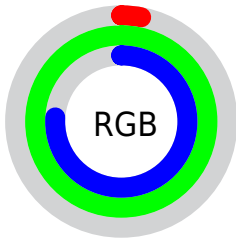
Format	Color
RYB	7, 147, 253
Decimal	523713
CIELab	89.00, -63.26, 14.77
CIELCh	89, 64.959, 166.859
Yxy	74.1575, 0.2471, 0.4084
Android (android.graphics.Color)	4278713793 (0xFF07FDC1)
YUV	172.6060, 10.0542, -145.2365
Hunter-Lab	86.1147, -57.6992, 17.2135

Details

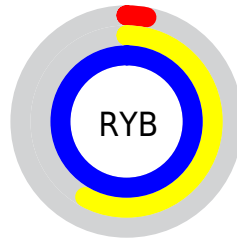
The RYB color **7, 147, 253** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **253, 7, 67**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **117, 187, 255**, and **0, 114, 195** is the 20% darker color. If you saturate the color by 10%, you get **0, 144, 253**, and if you desaturate by 10%, it is **32, 158, 253**.

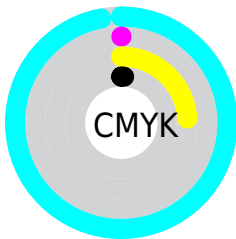
Distribution



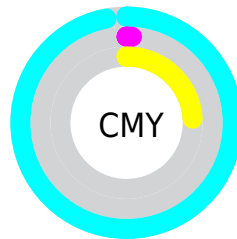
- Red (3%)
- Green (99%)
- Blue (76%)



- Red (3%)
- Yellow (58%)
- Blue (99%)



- Cyan (97%)
- Magenta (0%)
- Yellow (24%)
- Black (1%)

















- Cyan (97%)
- Magenta (1%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 7, 147, 253 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 7, 147, 253 by changing the saturation by 10% instead.

 7, 147, 253	 7, 147, 253
 255, 255, 255	 0, 129, 224
 117, 187, 255	 0, 114, 195
 151, 203, 255	 0, 99, 167
 184, 220, 255	 0, 85, 139
 217, 236, 255	 0, 71, 113
 249, 252, 255	 0, 58, 87
	 0, 46, 62
	 0, 37, 37
	 0, 0, 0

■ 7, 147, 253

■ 7, 147, 253

■ 0, 144, 253

■ 32, 158, 253

■ 58, 169, 253

■ 83, 180, 253

■ 108, 190, 253

■ 134, 202, 253

■ 159, 213, 253

■ 184, 223, 253

■ 209, 234, 253

■ 235, 245, 253

Harmonies

Analogous

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



135, 245, 225



7, 147, 253



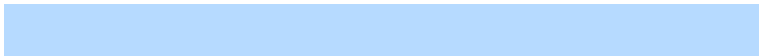
0, 128, 255

Triad

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



7, 147, 253



182, 206, 255



255, 230, 135

Complementary

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



7, 147, 253



253, 7, 67

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, 172, 191



7, 147, 253



255, 193, 255

Square

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



7, 147, 253



0, 123, 255



255, 174, 254



161, 255, 100

Rectangle

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



7, 147, 253



0, 127, 255



255, 174, 254



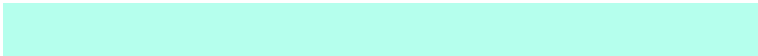
255, 192, 152

Sweetspot

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



7, 147, 253



181, 223, 255



7, 253, 191



83, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

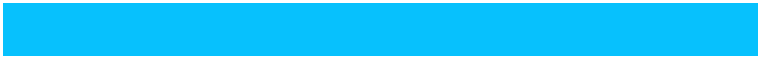
The Same Dimension uses a secret algorithm to generate beautiful new colors.



7, 147, 253



0, 145, 255



7, 113, 253



115, 123, 128



0, 109, 191



0, 37, 64

Inverse Universe

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



253, 7, 67



255, 0, 62



253, 90, 7



128, 115, 118



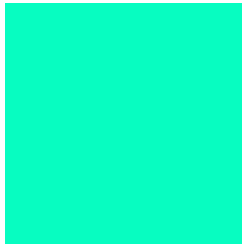
191, 0, 46



64, 0, 15

Previews

White Background



This preview shows how the RYB color 7, 147, 253 looks on a white background.

Color Contrast Check

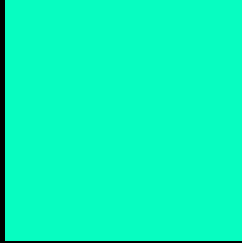
Large Text (above 18pt) WCAG AA × Fail

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 7, 147, 253 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

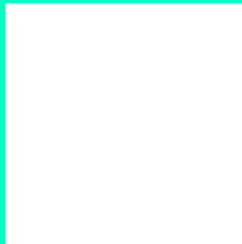
Any Text WCAG AAA ✓ Pass

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

R Y B 7, 147, 253 Background



This preview shows how black text looks on a background with the R Y B color 7, 147, 253.

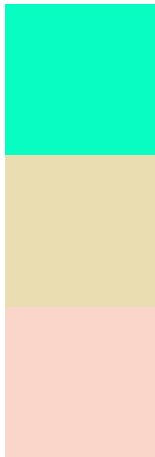


This preview shows how white text looks on a background with the R Y B color 7, 147, 253.

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](#).

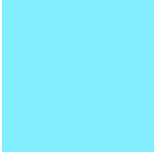
Dichromacy



Original Color
7, 147, 253

Protanopia
197, 235, 178

Deuteranopia
250, 218, 202



Tritanopia
128, 187, 255

Trichromacy



Original Color

7, 147, 253



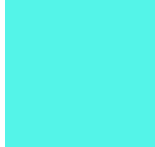
Protanomaly

152, 210, 233



Deuteranomaly

162, 204, 228



Tritanomaly

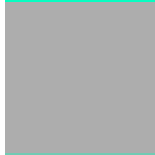
84, 167, 244

Monochromacy



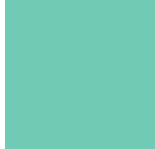
Original Color

7, 147, 253



Achromatopsia

173, 173, 173



Achromatomaly

113, 164, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 7, 147, 253 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(7, 253, 193)` looks like.

```
.text, #text, p{  
    color:rgb(7, 253, 193)  
}
```

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(7, 253, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 253, 193) }
```

Border

The CSS property to change the border of an element to RYB 7, 147, 253 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(7, 253, 193) }
```

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

```
.border{ border-color:rgb(7, 253, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 253, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 253, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 253, 193);  
box-shadow:4px 4px 4px 4px rgb(7, 253,  
193) }
```

Background

The CSS property to change the background color of an element to RGB 7, 147, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 253, 193) }
```

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

```
.background{ background-color: rgb(7, 253,  
193) }
```

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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