

Converting Colors

`RYB(69, 173, 248)`

Have a look what the booklet for RYB(69, 173, 248) contains.

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Color

R_YB(69, 173, 248)

Conversions

Conversions Part 1

Format	Color
Hex	45F8C6
RGB	69, 248, 198
RGB Percent	27%, 97%, 78%
CMY	0.7294, 0.0275, 0.2232
CMYK	0.72, 0.00, 0.20, 0.03
HSL	163°, 93%, 62%
HSV	163°, 72%, 97%
XYZ	46.2247, 72.4812, 65.0324
YIQ	188.7790, -90.6340, -53.4980

Conversions

Conversions Part 2

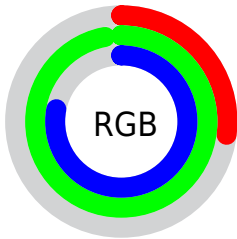
Format	Color
RYB	69, 173, 248
Decimal	4585670
CIELab	88.20, -55.94, 11.22
CIElCh	88, 57.050, 168.653
Yxy	72.4812, 0.2516, 0.3945
Android (android.graphics.Color)	4282775750 (0xFF45F8C6)
YUV	188.7790, 4.5460, -105.0462
Hunter-Lab	85.1359, -52.0710, 14.3055

Details

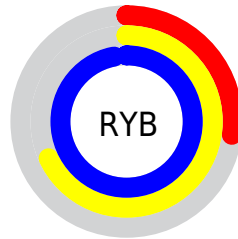
The RYB color **69, 173, 248** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **248, 69, 119**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **140, 198, 255**, and **0, 108, 190** is the 20% darker color. If you saturate the color by 10%, you get **44, 163, 248**, and if you desaturate by 10%, it is **94, 183, 248**.

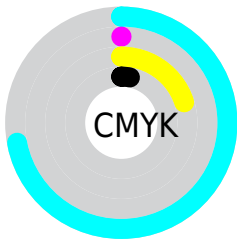
Distribution



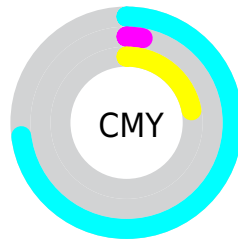
- Red (27%)
- Green (97%)
- Blue (78%)



- Red (27%)
- Yellow (68%)
- Blue (97%)



- Cyan (72%)
- Magenta (0%)
- Yellow (20%)
- Black (3%)




















- Cyan (73%)
- Magenta (3%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the RYB color 69, 173, 248 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 69, 173, 248 by changing the saturation by 10% instead.


 69, 173, 248	 69, 173, 248
 255, 255, 255	 0, 123, 219
 140, 198, 255	 0, 108, 190
 172, 214, 255	 0, 94, 163
 203, 229, 255	 0, 80, 136
 234, 245, 255	 0, 66, 109
	 0, 53, 83
	 0, 40, 59
	 0, 34, 35
	 0, 0, 0

 69, 173, 248

 69, 173, 248

 44, 163, 248

 94, 183, 248

 19, 152, 248

 119, 194, 248

 0, 144, 248

 143, 204, 248

 168, 214, 248

 193, 225, 248

 218, 235, 248

 243, 246, 248

 255, 248, 253

 255, 248, 255

Harmonies

Analogous

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



147, 241, 229



69, 173, 248



0, 126, 254

Triad

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



69, 173, 248



193, 209, 255



255, 232, 142

Complementary

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



69, 173, 248



248, 69, 119

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, 178, 189



69, 173, 248



255, 194, 255

Square

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



69, 173, 248



74, 159, 255



255, 179, 244



177, 255, 113

Rectangle

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



69, 173, 248



0, 125, 255



255, 179, 244



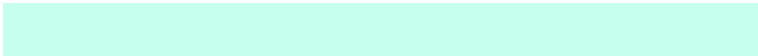
255, 199, 156

Sweetspot

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



69, 173, 248



199, 232, 255



69, 248, 197



94, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



69, 173, 248



33, 162, 255



69, 148, 248



112, 120, 125



0, 110, 189



0, 35, 61

Inverse Universe

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



248, 69, 119



255, 33, 95



248, 119, 69



125, 112, 116



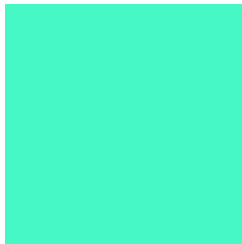
189, 0, 53



61, 0, 17

Previews

White Background



This preview shows how the RYB color 69, 173, 248 looks on a white background.

Color Contrast Check

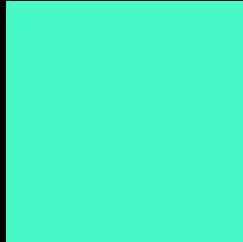
Large Text (above 18pt) WCAG AA × Fail

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 69, 173, 248 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](#).

RGB 69, 173, 248 Background



This preview shows how black text looks on a background with the RGB color 69, 173, 248.

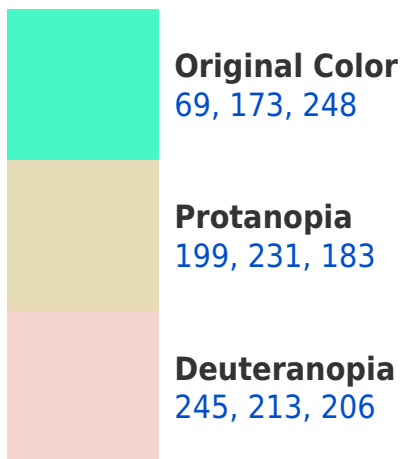


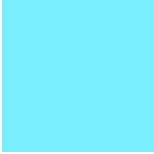
This preview shows how white text looks on a background with the RGB color 69, 173, 248.

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



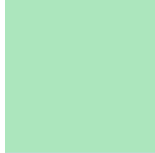


Tritanopia
120, 183, 255

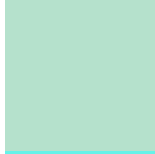
Trichromacy



Original Color
69, 173, 248



Protanomaly
172, 217, 230



Deuteranomaly
181, 210, 225

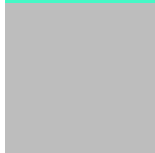


Tritanomaly
101, 174, 242

Monochromacy



Original Color
69, 173, 248



Achromatopsia
189, 189, 189



Achromatomaly
145, 183, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 69, 173, 248 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(69, 248, 198)` looks like.

```
.text, #text, p{  
    color:rgb(69, 248, 198)  
}
```

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(69, 248, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 248, 198) }
```

Border

The CSS property to change the border of an element to RYB 69, 173, 248 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(69, 248, 198) }
```

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

```
.border{ border-color:rgb(69, 248, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 248, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 248, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 248, 198);  
box-shadow:4px 4px 4px 4px rgb(69, 248,  
198) }
```

Background

The CSS property to change the background color of an element to RYB 69, 173, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 248, 198) }
```

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

```
.background{ background-color: rgb(69, 248,  
198) }
```

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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