

Converting Colors

`RYB(67, 154, 232)`

Have a look what the booklet for
RYB(67, 154, 232) contains.

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Color

`RYB(67, 154, 232)`

Conversions

Conversions Part 1

Format	Color
Hex	43E8D7
RGB	67, 232, 215
RGB Percent	26%, 91%, 84%
CMY	0.7373, 0.0902, 0.1571
CMYK	0.71, 0.00, 0.07, 0.09
HSL	174°, 78%, 59%
HSV	174°, 71%, 91%
XYZ	43.4282, 63.8093, 74.2710
YIQ	180.7270, -92.8830, -40.2670

Conversions

Conversions Part 2

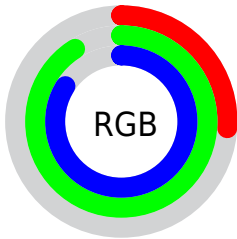
Format	Color
RYB	67, 154, 232
Decimal	4450519
CIELab	83.87, -45.35, -3.87
CIELCh	84, 45.517, 184.880
Yxy	63.8093, 0.2393, 0.3515
Android (android.graphics.Color)	4282640599 (0xFF43E8D7)
YUV	180.7270, 16.8966, -99.7386
Hunter-Lab	79.8807, -42.7473, 0.7902

Details

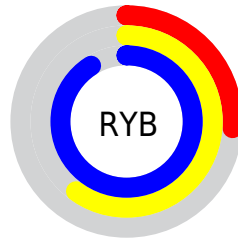
The RYB color **67, 154, 232** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **232, 67, 84**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **137, 196, 255**, and **0, 92, 176** is the 20% darker color. If you saturate the color by 10%, you get **44, 143, 232**, and if you desaturate by 10%, it is **90, 165, 232**.

Distribution



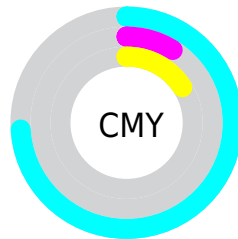
- Red (26%)
- Green (91%)
- Blue (84%)



- Red (26%)
- Yellow (60%)
- Blue (91%)



- Cyan (71%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)



















- Cyan (74%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 154, 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 67, 154, 232 by changing the saturation by 10% instead.

 67, 154, 232	 67, 154, 232
 255, 255, 255	 0, 106, 203
 137, 196, 255	 0, 92, 176
 169, 212, 255	 0, 78, 148
 200, 228, 255	 0, 64, 122
 231, 243, 255	 0, 51, 96
	 0, 38, 71
	 0, 26, 48
	 0, 12, 23
	 0, 0, 0

■ 67, 154, 232

■ 67, 154, 232

■ 44, 143, 232

■ 90, 165, 232

■ 21, 132, 232

■ 113, 176, 232

■ 0, 122, 232

■ 137, 187, 232

■ 160, 198, 232

■ 183, 209, 232

■ 206, 220, 232

■ 229, 231, 232

■ 253, 232, 234

■ 255, 232, 237

Harmonies

Analogous

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



132, 201, 229



67, 154, 232



0, 121, 255

Triad

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



67, 154, 232



223, 195, 255



253, 255, 132

Complementary

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



67, 154, 232



232, 67, 84

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, 186, 162



67, 154, 232



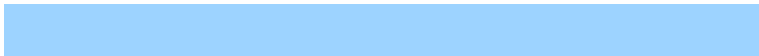
255, 181, 246

Square

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



67, 154, 232



157, 192, 255



255, 175, 204



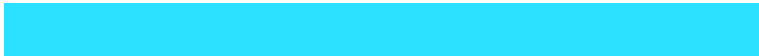
148, 230, 122

Rectangle

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



67, 154, 232



43, 141, 255



255, 175, 204



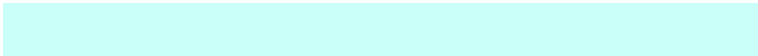
255, 225, 140

Sweetspot

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



67, 154, 232



201, 230, 255



67, 232, 213



96, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



67, 154, 232



38, 152, 255



67, 130, 232



103, 109, 115



0, 95, 179



0, 27, 51

Inverse Universe

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



232, 67, 84



255, 38, 61



232, 169, 67



115, 103, 104



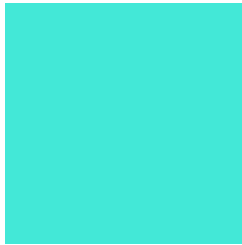
179, 0, 18



51, 0, 5

Previews

White Background



This preview shows how the RYB color 67, 154, 232 looks on a white background.

Color Contrast Check

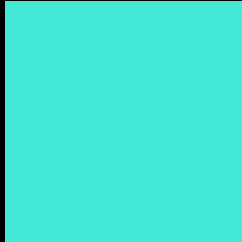
Large Text (above 18pt) WCAG AA × Fail

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 67, 154, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

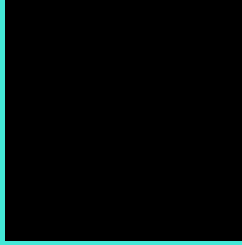
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

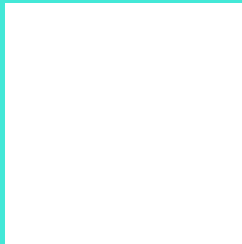
Any Text WCAG AAA ✓ Pass

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

RYB 67, 154, 232 Background



This preview shows how black text looks on a background with the RYB color 67, 154, 232.

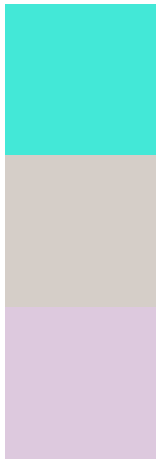


This preview shows how white text looks on a background with the RYB color 67, 154, 232.

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](#).

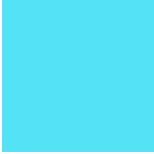
Dichromacy



Original Color
67, 154, 232

Protanopia
213, 211, 200

Deuteranopia
221, 201, 222

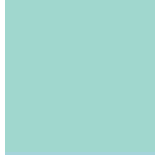


Tritanopia
84, 160, 246

Trichromacy



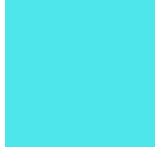
Original Color
67, 154, 232



Protanomaly
160, 190, 215



Deuteranomaly
165, 190, 219

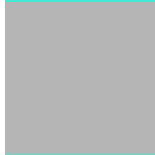


Tritanomaly
78, 155, 235

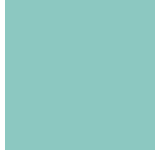
Monochromacy



Original Color
67, 154, 232



Achromatopsia
181, 181, 181



Achromatomaly
140, 172, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 154, 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(67, 232, 215)` looks like.

```
.text, #text, p{  
    color:rgb(67, 232, 215)  
}
```

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(67, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 232, 215) }
```

Border

The CSS property to change the border of an element to RYB 67, 154, 232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

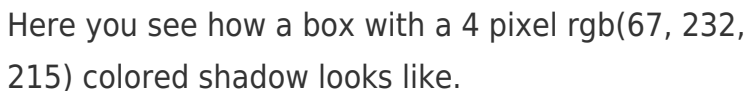
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(67, 232, 215) }
```

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

```
.border{ border-color:rgb(67, 232, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(67, 232, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 232, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 232, 215); box-shadow:4px 4px 4px 4px rgb(67, 232, 215) }
```

Background

The CSS property to change the background color of an element to RGB 67, 154, 232 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 232, 215) }
```

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

```
.background{ background-color: rgb(67, 232,  
215) }
```

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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