

Converting Colors

`RYB(67, 142, 232)`

Have a look what the booklet for
RYB(67, 142, 232) contains.

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Color

R_YB(67, 142, 232)

Conversions

Conversions Part 1

Format	Color
Hex	43CDE8
RGB	67, 205, 232
RGB Percent	26%, 80%, 91%
CMY	0.7373, 0.1980, 0.0902
CMYK	0.71, 0.12, 0.00, 0.09
HSL	190°, 78%, 59%
HSV	190°, 71%, 91%
XYZ	38.5921, 50.4433, 84.0464
YIQ	166.8160, -90.9150, -20.8590

Conversions

Conversions Part 2

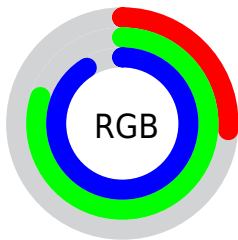
Format	Color
RYB	67, 142, 232
Decimal	4443624
CIELab	76.34, -27.77, -24.26
CIELCh	76, 36.874, 221.132
Yxy	50.4433, 0.2230, 0.2914
Android (android.graphics.Color)	4282633704 (0xFF43CDE8)
YUV	166.8160, 32.1357, -87.5386
Hunter-Lab	71.0234, -27.2992, -20.4451

Details

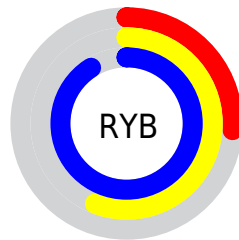
The RYB color **67, 142, 232** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **232, 99, 67**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **136, 196, 255**, and **0, 81, 176** is the 20% darker color. If you saturate the color by 10%, you get **44, 130, 232**, and if you desaturate by 10%, it is **90, 154, 232**.

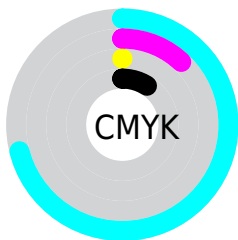
Distribution



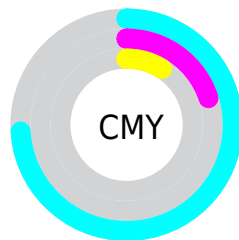
- Red (26%)
- Green (80%)
- Blue (91%)



- Red (26%)
- Yellow (56%)
- Blue (91%)



- Cyan (71%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



















- Cyan (74%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 142, 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, 142, 232 by changing the saturation by 10% instead.

 67, 142, 232	 67, 142, 232
 255, 255, 255	 4, 97, 204
 136, 196, 255	 0, 81, 176
 167, 211, 255	 0, 68, 150
 198, 227, 255	 0, 55, 124
 229, 242, 255	 0, 42, 99
	 0, 30, 75
	 0, 20, 52
	 0, 2, 31
	 0, 0, 2

■ 67, 142, 232

■ 67, 142, 232

■ 44, 130, 232

■ 90, 154, 232

■ 21, 117, 232

■ 113, 167, 232

■ 0, 105, 232

■ 137, 180, 232

■ 160, 193, 232

■ 183, 205, 232

■ 206, 218, 232

■ 229, 231, 232

■ 253, 236, 232

■ 255, 242, 232

Harmonies

Analogous

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



80, 145, 207



67, 142, 232



107, 163, 252

Triad

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



67, 142, 232



241, 165, 211



131, 199, 121

Complementary

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



67, 142, 232



232, 99, 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.



222, 230, 124



67, 142, 232



255, 162, 177

Square

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



67, 142, 232



209, 175, 240



250, 174, 145



136, 200, 175

Rectangle

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



67, 142, 232



143, 177, 255



250, 174, 145



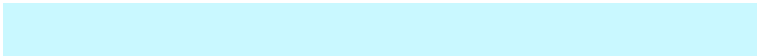
151, 210, 120

Sweetspot

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



67, 142, 232



201, 226, 255



67, 209, 232



96, 110, 128



0, 0, 0



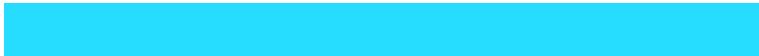
128, 128, 128

Same Dimension

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



67, 142, 232



38, 137, 255



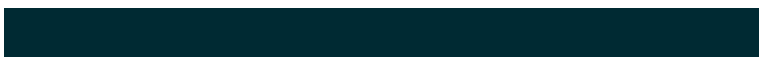
67, 108, 232



103, 108, 115



0, 81, 179



0, 23, 51

Inverse Universe

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



232, 67, 205



255, 38, 219



150, 232, 67



115, 103, 113



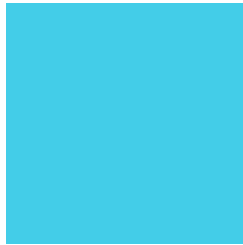
179, 0, 149



51, 0, 43

Previews

White Background



This preview shows how the RYB color 67, 142, 232 looks on a white background.

Color Contrast Check

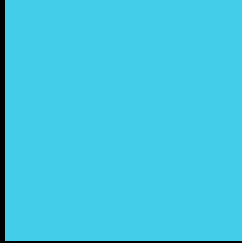
Large Text (above 18pt) WCAG AA × Fail

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, 142, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

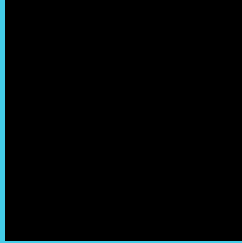
Any Text WCAG AA ✓ Pass

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, 142, 232 Background



This preview shows how black text looks on a background with the RYB color 67, 142, 232.

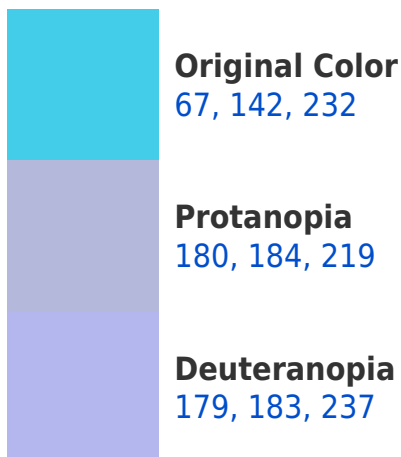


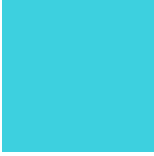
This preview shows how white text looks on a background with the RYB color 67, 142, 232.

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





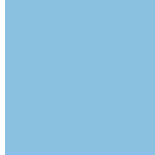
Tritanopia
61, 138, 223

Trichromacy



Original Color

67, 142, 232



Protanomaly

139, 172, 224



Deuteranomaly

138, 172, 235



Tritanomaly

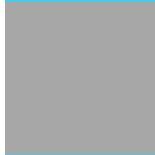
63, 139, 226

Monochromacy



Original Color

67, 142, 232



Achromatopsia

167, 167, 167



Achromatomaly

131, 158, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 142, 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, 205, 232)` looks like.

```
.text, #text, p{  
    color:rgb(67, 205, 232)  
}
```

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, 205, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 205, 232) }
```

Border

The CSS property to change the border of an element to RYB 67, 142, 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, 205, 232) }
```

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

```
.border{ border-color:rgb(67, 205, 232) }
```

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

Here you see how a box with a 4 pixel rgb(67, 205, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 205, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 205, 232);  
box-shadow:4px 4px 4px 4px rgb(67, 205,  
232) }
```

Background

The CSS property to change the background color of an element to RGB 67, 142, 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, 205, 232) }
```

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

```
.background{ background-color: rgb(67, 205,  
232) }
```

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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