

Converting Colors

`RYB(99, 167, 243)`

Have a look what the booklet for
RYB(99, 167, 243) contains.

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Color

R_YB(99, 167, 243)

Conversions

Conversions Part 1

Format	Color
Hex	63E4F3
RGB	99, 228, 243
RGB Percent	39%, 89%, 95%
CMY	0.6118, 0.1065, 0.0471
CMYK	0.59, 0.06, 0.00, 0.05
HSL	186°, 86%, 67%
HSV	186°, 59%, 95%
XYZ	49.0232, 64.5237, 94.6645
YIQ	191.1390, -81.6990, -22.6830

Conversions

Conversions Part 2

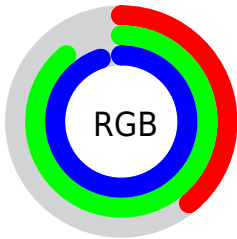
Format	Color
R_{YB}	99, 167, 243
Decimal	6546675
CIE _{Lab}	84.24, -31.08, -18.06
CIE _{LCh}	84, 35.945, 210.165
Yxy	64.5237, 0.2354, 0.3099
Android (android.graphics.Color)	4284736755 (0xFF63E4F3)
YUV	191.1390, 25.5675, -80.8059
Hunter-Lab	80.3266, -31.6333, -13.6443

Details

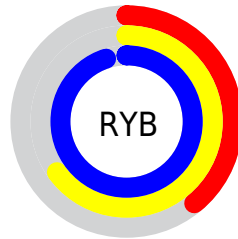
The RYB color **99, 167, 243** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **243, 116, 99**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **162, 209, 255**, and **0, 90, 187** is the 20% darker color. If you saturate the color by 10%, you get **75, 154, 243**, and if you desaturate by 10%, it is **123, 180, 243**.

Distribution



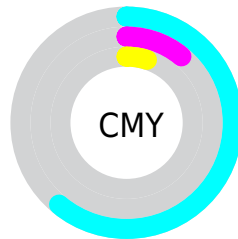
- Red (39%)
- Green (89%)
- Blue (95%)



- Red (39%)
- Yellow (65%)
- Blue (95%)



- Cyan (59%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)

















- Cyan (61%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 167, 243 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 99, 167, 243 by changing the saturation by 10% instead.

 99, 167, 243	 99, 167, 243
255, 255, 255	 64, 136, 215
 162, 209, 255	 1, 90, 187
 192, 224, 255	 0, 76, 160
 223, 239, 255	 0, 63, 134
254, 255, 255	 0, 50, 108
	 0, 38, 84
	 0, 27, 61
	 0, 15, 39
	 0, 1, 18

■ 99, 167, 243

■ 99, 167, 243

■ 75, 154, 243

■ 123, 180, 243

■ 50, 141, 243

■ 148, 193, 243

■ 26, 128, 243

■ 172, 206, 243

■ 2, 116, 243

■ 196, 218, 243

■ 0, 115, 243

■ 220, 231, 243

■ 245, 243, 243

■ 255, 247, 243

■ 255, 252, 243

■ 249, 255, 243

Harmonies

Analogous

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



120, 180, 229



99, 167, 243



118, 177, 255

Triad

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



99, 167, 243



254, 190, 244



178, 234, 142

Complementary

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



99, 167, 243



243, 116, 99

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, 232, 152



99, 167, 243



255, 185, 211

Square

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



99, 167, 243



215, 201, 255



255, 188, 178



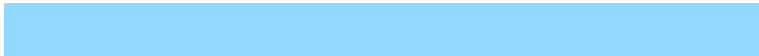
151, 218, 171

Rectangle

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



99, 167, 243



149, 190, 255



255, 188, 178



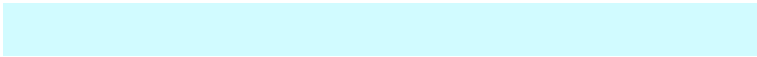
211, 244, 144

Sweetspot

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



99, 167, 243



209, 231, 255



99, 230, 243



99, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 167, 243



74, 159, 255



99, 140, 243



110, 116, 122



0, 88, 186



0, 28, 59

Inverse Universe

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



243, 99, 228



255, 74, 236



196, 243, 99



122, 110, 121



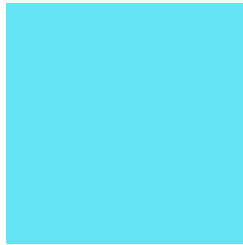
186, 0, 167



59, 0, 52

Previews

White Background



This preview shows how the RYB color 99, 167, 243 looks on a white background.

Color Contrast Check

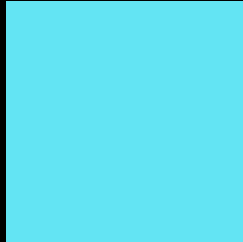
Large Text (above 18pt) WCAG AA × Fail

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 99, 167, 243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

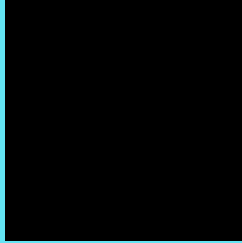
Any Text WCAG AA ✓ Pass

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 99, 167, 243 Background



This preview shows how black text looks on a background with the RYB color 99, 167, 243.

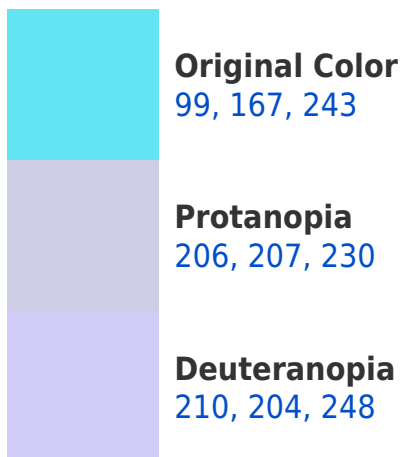


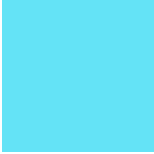
This preview shows how white text looks on a background with the RYB color 99, 167, 243.

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





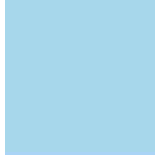
Tritanopia
100, 168, 246

Trichromacy



Original Color

99, 167, 243



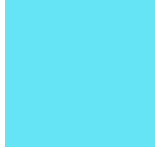
Protanomaly

167, 195, 235



Deuteranomaly

170, 197, 246



Tritanomaly

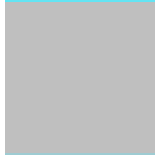
100, 168, 245

Monochromacy



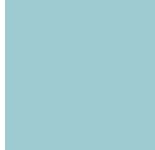
Original Color

99, 167, 243



Achromatopsia

191, 191, 191



Achromatomaly

158, 182, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 167, 243 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(99, 228, 243)` looks like.

```
.text, #text, p{  
    color:rgb(99, 228, 243)  
}
```

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(99, 228, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 228, 243) }
```

Border

The CSS property to change the border of an element to RYB 99, 167, 243 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(99, 228, 243) }
```

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

```
.border{ border-color:rgb(99, 228, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 228, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 228, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 228, 243);  
box-shadow:4px 4px 4px 4px rgb(99, 228,  
243) }
```

Background

The CSS property to change the background color of an element to RGB 99, 167, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 228, 243) }
```

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

```
.background{ background-color: rgb(99, 228,  
243) }
```

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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