

Converting Colors

`RYB(99, 149, 203)`

Have a look what the booklet for RYB(99, 149, 203) contains.

RYB(99, 149, 203)	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

$\text{RYB}(99, 149, 203)$

Conversions

Conversions Part 1

Format	Color
Hex	63C3CB
RGB	99, 195, 203
RGB Percent	39%, 76%, 80%
CMY	0.6118, 0.2341, 0.2039
CMYK	0.51, 0.04, 0.00, 0.20
HSL	184°, 50%, 59%
HSV	184°, 51%, 80%
XYZ	35.5066, 46.1276, 63.5320
YIQ	167.2080, -59.7840, -17.8640

Conversions

Conversions Part 2

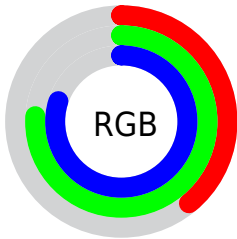
Format	Color
RYB	99, 149, 203
Decimal	6538187
CIELab	73.63, -26.23, -12.59
CIElCh	74, 29.092, 205.650
Yxy	46.1276, 0.2446, 0.3178
Android (android.graphics.Color)	4284728267 (0xFF63C3CB)
YUV	167.2080, 17.6455, -59.8184
Hunter-Lab	67.9173, -25.5368, -7.9197

Details

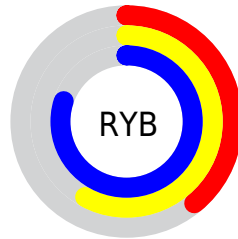
The RYB color **99, 149, 203** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **203, 108, 99**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **157, 205, 255**, and **33, 89, 149** is the 20% darker color. If you saturate the color by 10%, you get **79, 139, 203**, and if you desaturate by 10%, it is **119, 159, 203**.

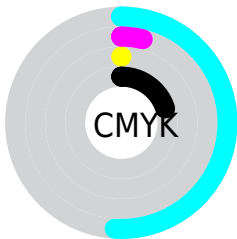
Distribution



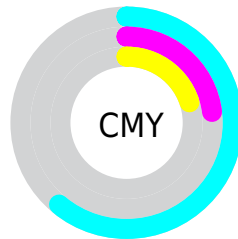
- Red (39%)
- Green (76%)
- Blue (80%)



- Red (39%)
- Yellow (58%)
- Blue (80%)



- Cyan (51%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)



















- Cyan (61%)
- Magenta (23%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 149, 203 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, 149, 203 by changing the saturation by 10% instead.

 99, 149, 203	 99, 149, 203
 255, 255, 255	 69, 120, 176
 157, 205, 255	 33, 89, 149
 186, 221, 255	 0, 59, 123
 215, 235, 255	 0, 47, 98
 245, 250, 255	 0, 35, 74
	 0, 24, 52
	 0, 13, 31
	 0, 0, 4
	 0, 0, 0

■ 99, 149, 203

■ 99, 149, 203

■ 79, 139, 203

■ 119, 159, 203

■ 58, 128, 203

■ 140, 170, 203

■ 38, 117, 203

■ 160, 181, 203

■ 18, 107, 203

■ 180, 191, 203

■ 0, 98, 203

■ 201, 202, 203

■ 221, 204, 203

■ 241, 206, 203

■ 255, 207, 203

■ 255, 210, 203

Harmonies

Analogous

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



116, 162, 196



99, 149, 203



109, 157, 224

Triad

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



99, 149, 203



211, 167, 211



168, 204, 128

Complementary

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



99, 149, 203



203, 108, 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.



225, 186, 138



99, 149, 203



230, 162, 186

Square

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



99, 149, 203



180, 175, 229



235, 163, 159



132, 186, 142

Rectangle

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



99, 149, 203



129, 166, 232



235, 163, 159



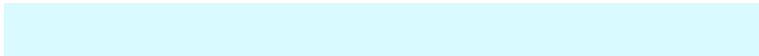
197, 212, 130

Sweetspot

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



99, 149, 203



217, 235, 255



99, 196, 203



105, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 149, 203



99, 174, 255



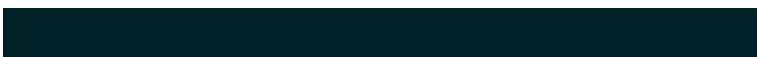
99, 130, 203



92, 97, 102



0, 80, 166



0, 18, 38

Inverse Universe

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



203, 99, 195



255, 99, 243



178, 203, 99



102, 92, 101



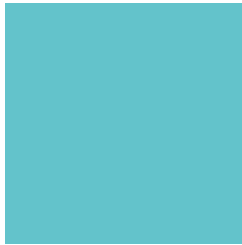
166, 0, 153



38, 0, 35

Previews

White Background



This preview shows how the RYB color 99, 149, 203 looks on a white background.

Color Contrast Check

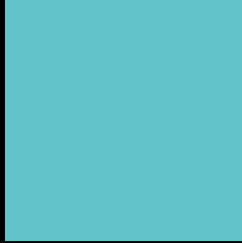
Large Text (above 18pt) WCAG AA × Fail

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, 149, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

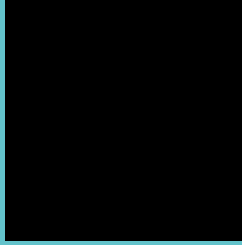
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

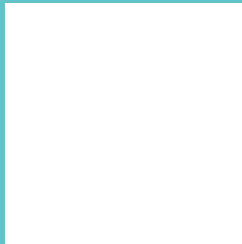
Any Text WCAG AAA ✓ Pass

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

RYB 99, 149, 203 Background



This preview shows how black text looks on a background with the RYB color 99, 149, 203.

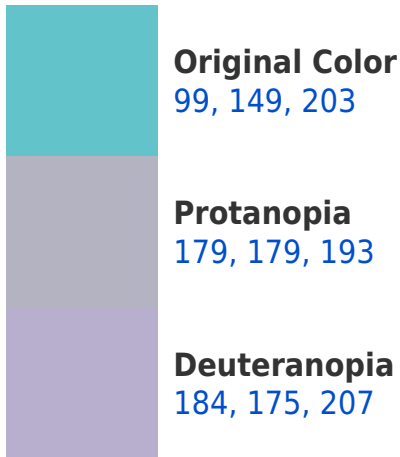


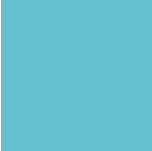
This preview shows how white text looks on a background with the RYB color 99, 149, 203.

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



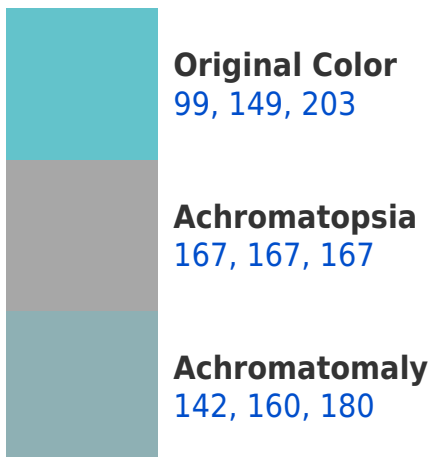


Tritanopia
101, 151, 210

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 149, 203 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, 195, 203)` looks like.

```
.text, #text, p{  
    color:rgb(99, 195, 203)  
}
```

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, 195, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 195, 203) }
```

Border

The CSS property to change the border of an element to RYB 99, 149, 203 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, 195, 203) }
```

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

```
.border{ border-color:rgb(99, 195, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 195, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 195, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 195, 203);  
box-shadow:4px 4px 4px 4px rgb(99, 195,  
203) }
```

Background

The CSS property to change the background color of an element to RGB 99, 149, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 195, 203) }
```

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

```
.background{ background-color: rgb(99, 195,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor