

Converting Colors

`RYB(100, 149, 209)`

Have a look what the booklet for
RYB(100, 149, 209) contains.

RYB(100, 149, 209)	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

R_YB(100, 149, 209)

Conversions

Conversions Part 1

Format	Color
Hex	64BDD1
RGB	100, 189, 209
RGB Percent	39%, 74%, 82%
CMY	0.6078, 0.2588, 0.1804
CMYK	0.52, 0.10, 0.00, 0.18
HSL	191°, 54%, 61%
HSV	191°, 52%, 82%
XYZ	34.9653, 43.7151, 66.9166
YIQ	164.6690, -59.4640, -12.6480

Conversions

Conversions Part 2

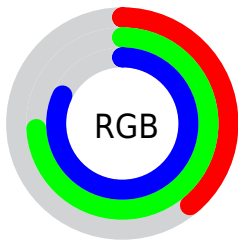
Format	Color
RYB	100, 149, 209
Decimal	6602193
CIELab	72.04, -21.21, -18.25
CIELCh	72, 27.981, 220.715
Yxy	43.7151, 0.2402, 0.3002
Android (android.graphics.Color)	4284792273 (0xFF64BDD1)
YUV	164.6690, 21.8552, -56.7147
Hunter-Lab	66.1174, -21.3081, -13.7245

Details

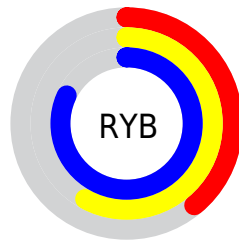
The RYB color **100, 149, 209** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **209, 124, 100**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **158, 204, 255**, and **35, 90, 155** is the 20% darker color. If you saturate the color by 10%, you get **79, 137, 209**, and if you desaturate by 10%, it is **121, 161, 209**.

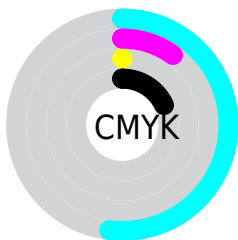
Distribution



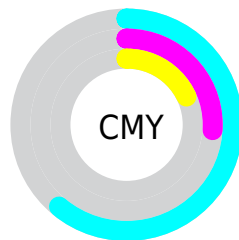
- Red (39%)
- Green (74%)
- Blue (82%)



- Red (39%)
- Yellow (58%)
- Blue (82%)



- Cyan (52%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)




- Cyan (61%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 149, 209 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 100, 149, 209 by changing the saturation by 10% instead.

 100, 149, 209


255, 255, 255


 158, 204, 255

 187, 221, 255

 216, 236, 255

 246, 251, 255

 100, 149, 209

 70, 120, 181


 35, 90, 155

 0, 59, 129

 0, 47, 103

 0, 35, 79

 0, 23, 56

 0, 11, 35

 0, 0, 11

 0, 0, 0

■ 100, 149, 209

■ 100, 149, 209

■ 79, 137, 209

■ 121, 161, 209

■ 58, 126, 209

■ 142, 172, 209

■ 37, 114, 209

■ 163, 184, 209

■ 16, 103, 209

■ 184, 195, 209

■ 0, 94, 209

■ 205, 207, 209

■ 225, 213, 209

■ 246, 218, 209

■ 255, 223, 209

■ 255, 231, 209

Harmonies

Analogous

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



105, 150, 191



100, 149, 209



122, 161, 224

Triad

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



100, 149, 209



217, 160, 194



135, 186, 126

Complementary

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



100, 149, 209



209, 124, 100

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.



210, 208, 129



100, 149, 209



228, 158, 168

Square

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



100, 149, 209



192, 167, 215



225, 167, 144



137, 185, 165

Rectangle

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



100, 149, 209



145, 169, 227



225, 167, 144



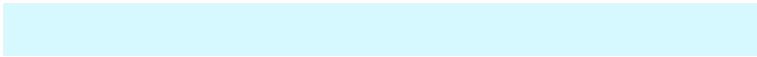
152, 194, 126

Sweetspot

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



100, 149, 209



214, 233, 255



100, 192, 209



103, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 149, 209



94, 167, 255



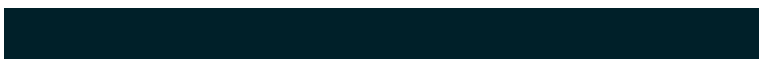
100, 126, 209



94, 99, 105



0, 75, 168



0, 18, 41

Inverse Universe

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



209, 100, 189



255, 94, 226



152, 209, 100



105, 94, 103



168, 0, 137



41, 0, 33

Previews

White Background



This preview shows how the RYB color 100, 149, 209 looks on a white background.

Color Contrast Check

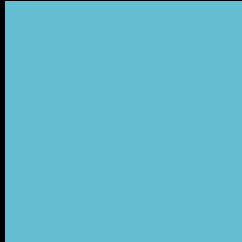
Large Text (above 18pt) WCAG AA × Fail

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 100, 149, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

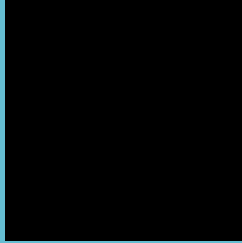
Any Text WCAG AA ✓ Pass

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 100, 149, 209 Background



This preview shows how black text looks on a background with the RYB color 100, 149, 209.

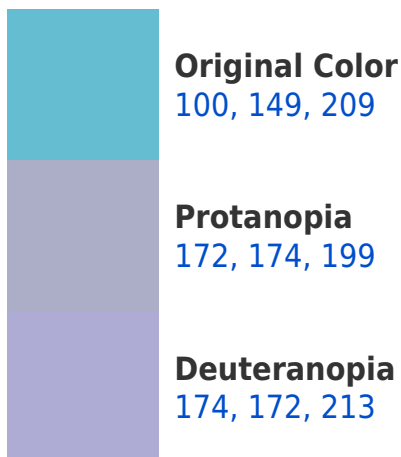


This preview shows how white text looks on a background with the RYB color 100, 149, 209.

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](#).

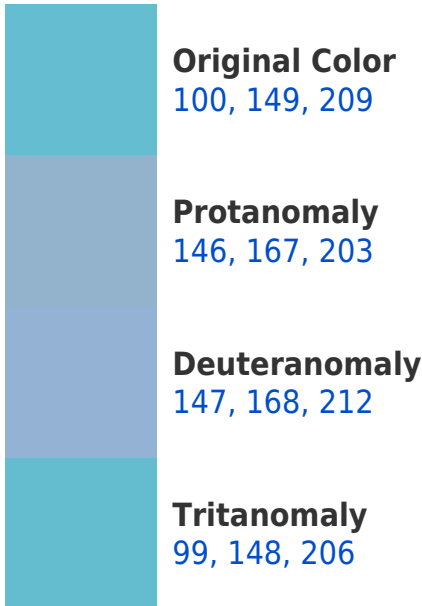
Dichromacy



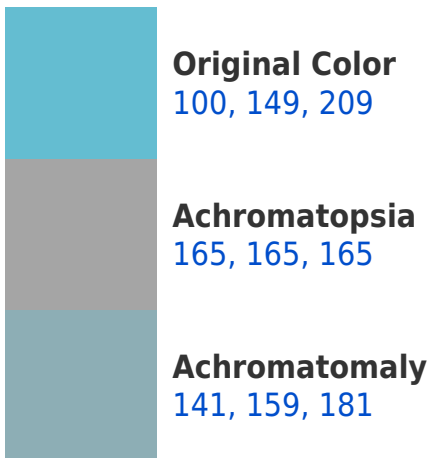


Tritanopia
99, 148, 205

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 149, 209 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(100, 189, 209)` looks like.

```
.text, #text, p{  
    color:rgb(100, 189, 209)  
}
```

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(100, 189, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 189, 209) }
```

Border

The CSS property to change the border of an element to RYB 100, 149, 209 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(100, 189, 209) }
```

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

```
.border{ border-color:rgb(100, 189, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 189, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 189, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 189, 209);  
box-shadow:4px 4px 4px 4px rgb(100, 189,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 100, 149, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 189, 209) }
```

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

```
.background{ background-color: rgb(100,  
189, 209) }
```

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