

Converting Colors

`RYB(101, 159, 226)`

Have a look what the booklet for
RYB(101, 159, 226) contains.

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Color

R_YB(101, 159, 226)

Conversions

Conversions Part 1

Format	Color
Hex	65D1E2
RGB	101, 209, 226
RGB Percent	40%, 82%, 89%
CMY	0.6039, 0.1796, 0.1137
CMYK	0.55, 0.07, 0.00, 0.11
HSL	188°, 68%, 64%
HSV	188°, 55%, 89%
XYZ	41.9461, 53.9612, 80.1563
YIQ	178.6460, -69.8250, -17.6090

Conversions

Conversions Part 2

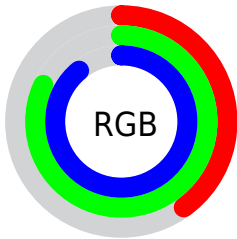
Format	Color
RYB	101, 159, 226
Decimal	6672866
CIELab	78.44, -26.39, -17.76
CIElCh	78, 31.811, 213.943
Yxy	53.9612, 0.2382, 0.3065
Android (android.graphics.Color)	4284862946 (0xFF65D1E2)
YUV	178.6460, 23.3455, -68.0955
Hunter-Lab	73.4583, -26.6252, -13.2753

Details

The RYB color **101, 159, 226** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **226, 121, 101**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **161, 208, 255**, and **28, 95, 171** is the 20% darker color. If you saturate the color by 10%, you get **78, 147, 226**, and if you desaturate by 10%, it is **124, 171, 226**.

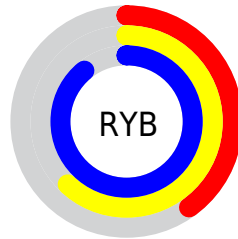
Distribution



Red (40%)

Green (82%)

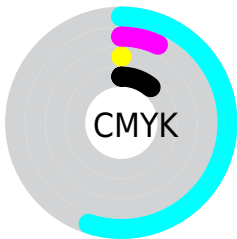
Blue (89%)



Red (40%)

Yellow (62%)

Blue (89%)

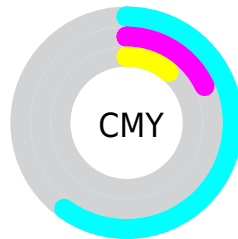


Cyan (55%)

Magenta (7%)

Yellow (0%)

Black (11%)



Cyan (60%)


Magenta (18%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 159, 226 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 101, 159, 226 by changing the saturation by 10% instead.

 101, 159, 226


255, 255, 255


 161, 208, 255

 191, 223, 255

 221, 238, 255

 251, 253, 255

 101, 159, 226


 69, 129, 198

 28, 95, 171

 0, 68, 144

 0, 55, 119

 0, 43, 94

 0, 31, 70

 0, 20, 48

 0, 1, 27

 0, 0, 0

■ 101, 159, 226

■ 101, 159, 226

■ 78, 147, 226

■ 124, 171, 226

■ 56, 135, 226

■ 146, 183, 226

■ 33, 123, 226

■ 169, 195, 226

■ 11, 111, 226

■ 191, 207, 226

■ 0, 105, 226

■ 214, 219, 226

■ 237, 227, 226

■ 255, 231, 226

■ 255, 235, 226

■ 255, 244, 226

Harmonies

Analogous

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



114, 166, 211



101, 159, 226



121, 171, 246

Triad

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



101, 159, 226



235, 176, 221



159, 211, 135

Complementary

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



101, 159, 226



226, 121, 101

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.



237, 214, 142



101, 159, 226



252, 172, 191

Square

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



101, 159, 226



203, 185, 243



252, 177, 162



144, 202, 167

Rectangle

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



101, 159, 226



147, 182, 252



252, 177, 162



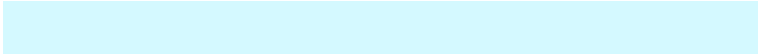
183, 221, 135

Sweetspot

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



101, 159, 226



212, 232, 255



101, 211, 226



102, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



101, 159, 226



87, 165, 255



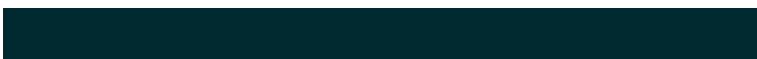
101, 135, 226



101, 106, 112



0, 82, 176



0, 22, 48

Inverse Universe

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



226, 101, 209



255, 87, 232



174, 226, 101



112, 101, 111



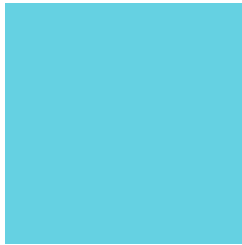
176, 0, 152



48, 0, 42

Previews

White Background



This preview shows how the RYB color 101, 159, 226 looks on a white background.

Color Contrast Check

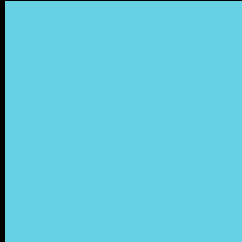
Large Text (above 18pt) WCAG AA × Fail

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 101, 159, 226 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 101, 159, 226 Background



This preview shows how black text looks on a background with the RYB color 101, 159, 226.

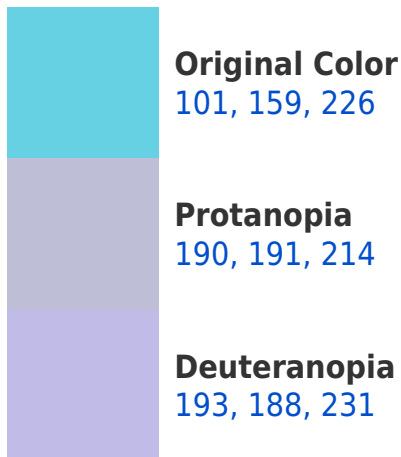


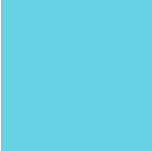
This preview shows how white text looks on a background with the RYB color 101, 159, 226.

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, 159, 226

Trichromacy



Original Color

101, 159, 226



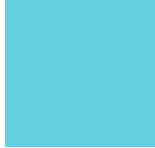
Protanomaly

158, 182, 218



Deuteranomaly

160, 184, 229



Tritanomaly

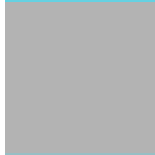
101, 159, 226

Monochromacy



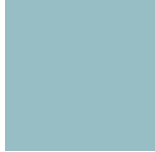
Original Color

101, 159, 226



Achromatopsia

179, 179, 179



Achromatomaly

151, 172, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 159, 226 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(101, 209, 226)` looks like.

```
.text, #text, p{  
    color:rgb(101, 209, 226)  
}
```

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(101, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 209, 226) }
```

Border

The CSS property to change the border of an element to RYB 101, 159, 226 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(101, 209, 226) }
```

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

```
.border{ border-color:rgb(101, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(101, 209,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 101, 159, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 209, 226) }
```

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

```
.background{ background-color: rgb(101,  
209, 226) }
```

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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