

Converting Colors

`RYB(49, 140, 226)`

Have a look what the booklet for
RYB(49, 140, 226) contains.

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Color

R_YB(49, 140, 226)

Conversions

Conversions Part 1

Format	Color
Hex	31E2D8
RGB	49, 226, 216
RGB Percent	19%, 89%, 85%
CMY	0.8078, 0.1137, 0.1519
CMYK	0.78, 0.00, 0.04, 0.11
HSL	177°, 75%, 54%
HSV	177°, 78%, 89%
XYZ	40.8932, 60.0178, 74.5814
YIQ	171.9370, -102.2820, -40.6340

Conversions

Conversions Part 2

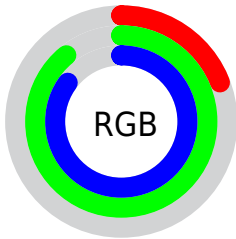
Format	Color
RYB	49, 140, 226
Decimal	3269336
CIELab	81.85, -44.30, -7.60
CIELCh	82, 44.942, 189.732
Yxy	60.0178, 0.2330, 0.3420
Android (android.graphics.Color)	4281459416 (0xFF31E2D8)
YUV	171.9370, 21.7231, -107.8157
Hunter-Lab	77.4711, -41.3531, -2.8486

Details

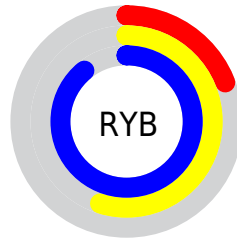
The RYB color **49, 140, 226** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **226, 49, 59**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **126, 191, 255**, and **0, 87, 170** is the 20% darker color. If you saturate the color by 10%, you get **26, 129, 226**, and if you desaturate by 10%, it is **72, 151, 226**.

Distribution



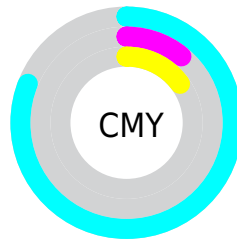
- Red (19%)
- Green (89%)
- Blue (85%)



- Red (19%)
- Yellow (55%)
- Blue (89%)



- Cyan (78%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




















- Cyan (81%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 140, 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 49, 140, 226 by changing the saturation by 10% instead.

 49, 140, 226	 49, 140, 226
 255, 255, 255	 0, 101, 198
 126, 191, 255	 0, 87, 170
 159, 207, 255	 0, 74, 143
 190, 223, 255	 0, 60, 116
 222, 239, 255	 0, 47, 91
 253, 254, 255	 0, 34, 66
	 0, 23, 44
	 0, 8, 21
	 0, 0, 0

■ 49, 140, 226

■ 49, 140, 226

■ 26, 129, 226

■ 72, 151, 226

■ 4, 118, 226

■ 94, 162, 226

■ 0, 116, 226

■ 117, 173, 226

■ 139, 184, 226

■ 162, 195, 226

■ 185, 206, 226

■ 207, 217, 226

■ 230, 226, 226

■ 252, 226, 227

Harmonies

Analogous

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



118, 188, 224



49, 140, 226



0, 119, 255

Triad

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



49, 140, 226



226, 187, 255



251, 255, 125

Complementary

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



49, 140, 226



226, 49, 59

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, 185, 152



49, 140, 226



255, 174, 234

Square

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



49, 140, 226



164, 191, 255



255, 170, 191



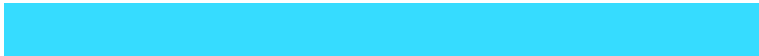
133, 217, 119

Rectangle

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



49, 140, 226



54, 145, 255



255, 170, 191



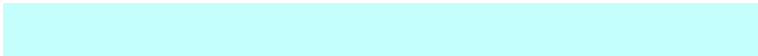
255, 228, 132

Sweetspot

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



49, 140, 226



196, 226, 255



49, 226, 214



92, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



49, 140, 226



15, 138, 255



49, 113, 226



101, 107, 112



0, 91, 176



0, 25, 48

Inverse Universe

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



226, 49, 59



255, 15, 28



226, 185, 49



112, 101, 102



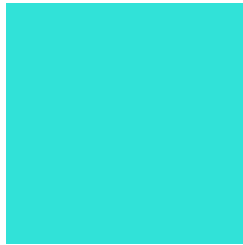
176, 0, 10



48, 0, 3

Previews

White Background



This preview shows how the RYB color 49, 140, 226 looks on a white background.

Color Contrast Check

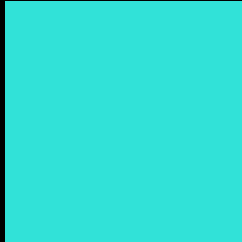
Large Text (above 18pt) WCAG AA × Fail

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 49, 140, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

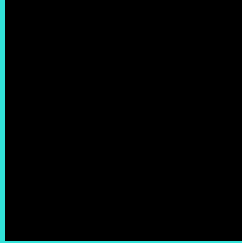
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

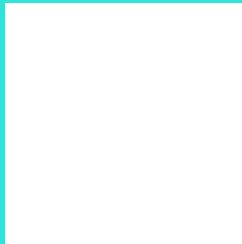
Any Text WCAG AAA ✓ Pass

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

RYB 49, 140, 226 Background



This preview shows how black text looks on a background with the RYB color 49, 140, 226.

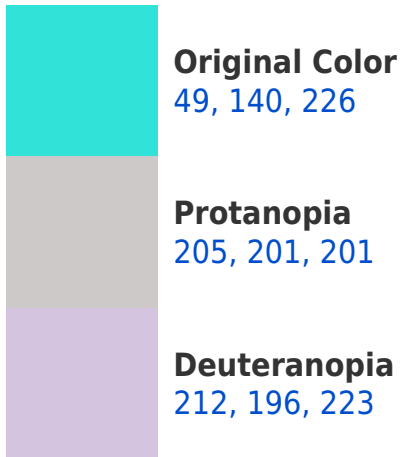


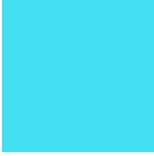
This preview shows how white text looks on a background with the RYB color 49, 140, 226.

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
67, 149, 240

Trichromacy



Original Color

49, 140, 226



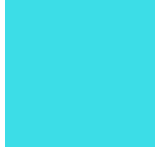
Protanomaly

148, 180, 210



Deuteranomaly

153, 183, 221



Tritanomaly

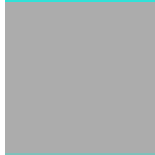
60, 143, 231

Monochromacy



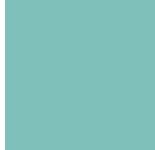
Original Color

49, 140, 226



Achromatopsia

172, 172, 172



Achromatomaly

127, 161, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 140, 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(49, 226, 216)` looks like.

```
.text, #text, p{  
    color:rgb(49, 226, 216)  
}
```

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(49, 226, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 226, 216) }
```

Border

The CSS property to change the border of an element to RYB 49, 140, 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(49, 226, 216) }
```

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

```
.border{ border-color:rgb(49, 226, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 226, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 226, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 226, 216);  
box-shadow:4px 4px 4px 4px rgb(49, 226,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 49, 140, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 226, 216) }
```

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

```
.background{ background-color: rgb(49, 226,  
216) }
```

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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