

Converting Colors

`RYB(40, 129, 226)`

Have a look what the booklet for
RYB(40, 129, 226) contains.

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Color

R_YB(40, 129, 226)

Conversions

Conversions Part 1

Format	Color
Hex	28D3E2
RGB	40, 211, 226
RGB Percent	16%, 83%, 89%
CMY	0.8431, 0.1739, 0.1137
CMYK	0.82, 0.07, 0.00, 0.11
HSL	185°, 76%, 52%
HSV	185°, 82%, 89%
XYZ	37.8124, 52.3618, 80.0654
YIQ	161.5810, -106.7310, -31.5870

Conversions

Conversions Part 2

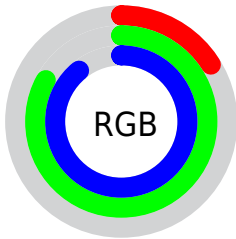
Format	Color
RYB	40, 129, 226
Decimal	2675682
CIELab	77.50, -35.27, -19.32
CIELCh	77, 40.212, 208.713
Yxy	52.3618, 0.2221, 0.3076
Android (android.graphics.Color)	4280865762 (0xFF28D3E2)
YUV	161.5810, 31.7586, -106.6265
Hunter-Lab	72.3614, -33.3576, -14.9493

Details

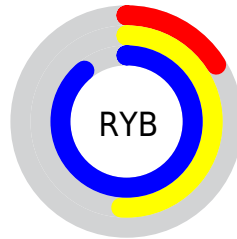
The RYB color **40, 129, 226** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **226, 56, 40**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **121, 188, 255**, and **0, 82, 171** is the 20% darker color. If you saturate the color by 10%, you get **17, 117, 226**, and if you desaturate by 10%, it is **63, 141, 226**.

Distribution



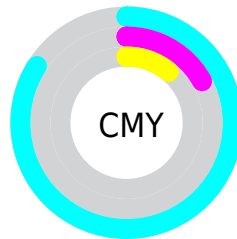
- Red (16%)
- Green (83%)
- Blue (89%)



- Red (16%)
- Yellow (51%)
- Blue (89%)



- Cyan (82%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)




















- Cyan (84%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 40, 129, 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 40, 129, 226 by changing the saturation by 10% instead.

 40, 129, 226	 40, 129, 226
 255, 255, 255	 0, 95, 198
 121, 188, 255	 0, 82, 171
 153, 204, 255	 0, 68, 144
 185, 220, 255	 0, 55, 119
 217, 236, 255	 0, 43, 94
 248, 252, 255	 0, 31, 70
	 0, 20, 48
	 0, 1, 27
	 0, 0, 0

■ 40, 129, 226

■ 40, 129, 226

■ 17, 117, 226

■ 63, 141, 226

■ 0, 108, 226

■ 85, 152, 226

■ 108, 164, 226

■ 130, 176, 226

■ 153, 188, 226

■ 176, 200, 226

■ 198, 211, 226

■ 221, 224, 226

■ 243, 227, 226

Harmonies

Analogous

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



86, 155, 211



40, 129, 226



71, 148, 254

Triad

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



40, 129, 226



237, 170, 231



157, 218, 116

Complementary

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



40, 129, 226



226, 56, 40

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.



247, 207, 129



40, 129, 226



255, 163, 195

Square

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



40, 129, 226



194, 182, 255



255, 166, 158



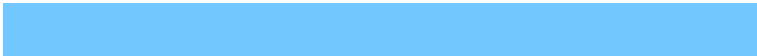
125, 200, 146

Rectangle

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



40, 129, 226



114, 167, 255



255, 166, 158



194, 229, 118

Sweetspot

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



40, 129, 226



191, 222, 255



40, 215, 226



89, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



40, 129, 226



3, 124, 255



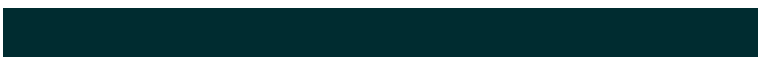
40, 96, 226



101, 106, 112



0, 84, 176



0, 23, 48

Inverse Universe

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



226, 40, 211



255, 3, 234



183, 226, 40



112, 101, 111



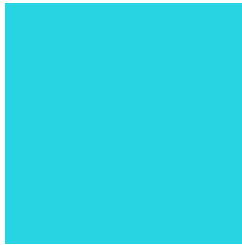
176, 0, 161



48, 0, 44

Previews

White Background



This preview shows how the RYB color 40, 129, 226 looks on a white background.

Color Contrast Check

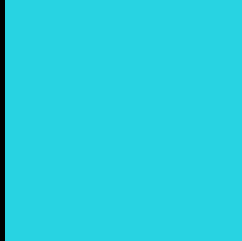
Large Text (above 18pt) WCAG AA × Fail

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 40, 129, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

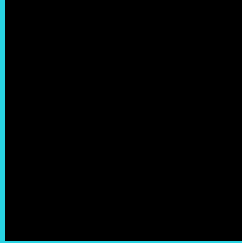
Any Text WCAG AA ✓ Pass

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 40, 129, 226 Background



This preview shows how black text looks on a background with the RYB color 40, 129, 226.

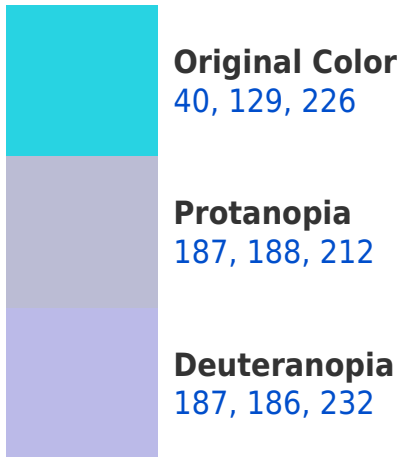


This preview shows how white text looks on a background with the RYB color 40, 129, 226.

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
42, 130, 228

Trichromacy



Original Color

40, 129, 226



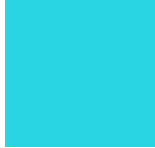
Protanomaly

134, 169, 217



Deuteranomaly

134, 171, 230



Tritanomaly

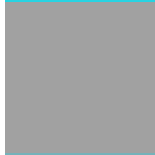
41, 130, 227

Monochromacy



Original Color

40, 129, 226



Achromatopsia

161, 161, 161



Achromatomaly

117, 149, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 40, 129, 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(40, 211, 226)` looks like.

```
.text, #text, p{  
    color:rgb(40, 211, 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(40, 211, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 211, 226) }
```

Border

The CSS property to change the border of an element to RYB 40, 129, 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(40, 211, 226) }
```

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

```
.border{ border-color:rgb(40, 211, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 211, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 211, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 211, 226);  
box-shadow:4px 4px 4px 4px rgb(40, 211,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 40, 129, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 211, 226) }
```

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

```
.background{ background-color: rgb(40, 211,  
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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