

Converting Colors

`RYB(40, 149, 202)`

Have a look what the booklet for
RYB(40, 149, 202) contains.

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Color

RYB(40, 149, 202)

Conversions

Conversions Part 1

Format	Color
Hex	28CA77
RGB	40, 202, 119
RGB Percent	16%, 79%, 47%
CMY	0.8431, 0.2078, 0.5342
CMYK	0.80, 0.00, 0.41, 0.21
HSL	149°, 67%, 47%
HSV	149°, 80%, 79%
XYZ	25.3116, 44.0186, 24.5430
YIQ	144.1000, -69.9090, -60.1570

Conversions

Conversions Part 2

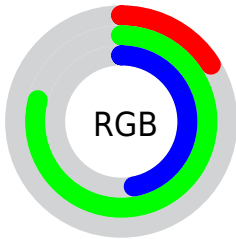
Format	Color
RYB	40, 149, 202
Decimal	2673271
CIELab	72.24, -58.66, 30.42
CIELCh	72, 66.083, 152.590
Yxy	44.0186, 0.2696, 0.4689
Android (android.graphics.Color)	4280863351 (0xFF28CA77)
YUV	144.1000, -12.3743, -91.2957
Hunter-Lab	66.3465, -48.0075, 24.5099

Details

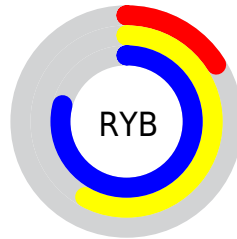
The RYB color **40, 149, 202** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **202, 40, 123**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **113, 213, 255**, and **0, 99, 146** is the 20% darker color. If you saturate the color by 10%, you get **20, 143, 202**, and if you desaturate by 10%, it is **60, 156, 202**.

Distribution



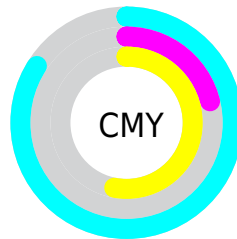
- Red (16%)
- Green (79%)
- Blue (47%)



- Red (16%)
- Yellow (58%)
- Blue (79%)



- Cyan (80%)
- Magenta (0%)
- Yellow (41%)
- Black (21%)



- Cyan (84%)
- Magenta (21%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 40, 149, 202 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, 149, 202 by changing the saturation by 10% instead.



40, 149, 202



40, 149, 202

255, 255, 255



0, 113, 174



113, 213, 255



0, 99, 146



144, 218, 255



0, 87, 120



174, 223, 255



0, 76, 94



205, 230, 255



0, 68, 68



235, 245, 255



0, 46, 46



0, 15, 15



0, 0, 0



40, 149, 202



40, 149, 202

■ 20, 143, 202

■ 60, 156, 202

■ 0, 136, 202

■ 80, 162, 202

■ 101, 169, 202

■ 121, 176, 202

■ 141, 182, 202

■ 161, 189, 202

■ 181, 195, 202

■ 202, 202, 202

■ 222, 202, 212

Harmonies

Analogous

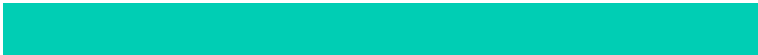
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67, 192, 117



40, 149, 202



0, 110, 206

Triad

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



40, 149, 202



20, 116, 255



255, 132, 116

Complementary

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



40, 149, 202



202, 40, 123

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, 120, 174



40, 149, 202



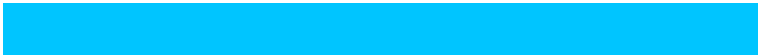
185, 159, 255

Square

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



40, 149, 202



0, 111, 255



254, 134, 234



252, 226, 68

Rectangle

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



40, 149, 202



0, 107, 222



254, 134, 234



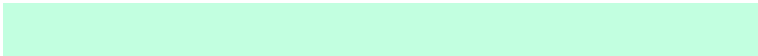
255, 125, 134

Sweetspot

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



40, 149, 202



194, 235, 255



40, 202, 118



91, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



40, 149, 202



10, 175, 255



40, 122, 202



92, 99, 102



0, 112, 166



0, 25, 38

Inverse Universe

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



202, 40, 123



255, 10, 136



202, 40, 43



102, 92, 97



166, 0, 85



38, 0, 20

Previews

White Background



This preview shows how the RYB color 40, 149, 202 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, 149, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

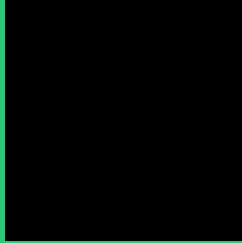
Any Text WCAG AA ✓ Pass

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](#).

RGB 40, 149, 202 Background



This preview shows how black text looks on a background with the RGB color 40, 149, 202.

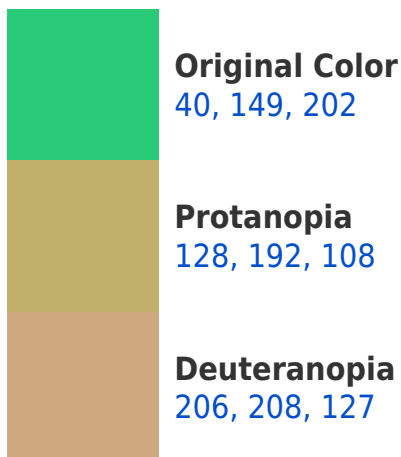


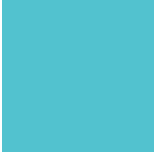
This preview shows how white text looks on a background with the RGB color 40, 149, 202.

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
82, 141, 207

Trichromacy



Original Color

40, 149, 202



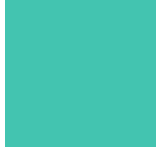
Protanomaly

112, 185, 160



Deuteranomaly

124, 180, 157



Tritanomaly

67, 137, 196

Monochromacy



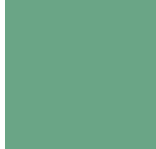
Original Color

40, 149, 202



Achromatopsia

144, 144, 144



Achromatomaly

106, 146, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 40, 149, 202 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, 202, 119)` looks like.

```
.text, #text, p{  
    color:rgb(40, 202, 119)  
}
```

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, 202, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 202, 119) }
```

Border

The CSS property to change the border of an element to RYB 40, 149, 202 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, 202, 119) }
```

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

```
.border{ border-color:rgb(40, 202, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 202, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 202, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 202, 119);  
box-shadow:4px 4px 4px 4px rgb(40, 202,  
119) }
```

Background

The CSS property to change the background color of an element to RYB 40, 149, 202 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 202, 119) }
```

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

```
.background{ background-color: rgb(40, 202,  
119) }
```

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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