

Converting Colors

`RYB(33, 193, 186)`

Have a look what the booklet for
RYB(33, 193, 186) contains.

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Color

RYB(33, 193, 186)

Conversions

Conversions Part 1

Format	Color
Hex	28C121
RGB	40, 193, 33
RGB Percent	16%, 76%, 13%
CMY	0.8431, 0.2431, 0.8706
CMYK	0.79, 0.00, 0.83, 0.24
HSL	117°, 71%, 44%
HSV	117°, 83%, 76%
XYZ	20.2195, 38.7009, 7.8432
YIQ	129.0130, -39.8280, -82.1960

Conversions

Conversions Part 2

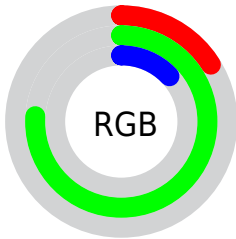
Format	Color
RYB	33, 193, 186
Decimal	2670881
CIELab	68.53, -65.89, 62.53
CIELCh	69, 90.840, 136.498
Yxy	38.7009, 0.3029, 0.5797
Android (android.graphics.Color)	4280860961 (0xFF28C121)
YUV	129.0130, -47.3344, -78.0644
Hunter-Lab	62.2100, -50.8513, 36.0720

Details

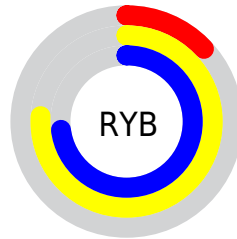
The RYB color **33, 193, 186** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **186, 33, 193**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **93, 251, 230**, and **0, 138, 138** is the 20% darker color. If you saturate the color by 10%, you get **14, 193, 185**, and if you desaturate by 10%, it is **52, 193, 187**.

Distribution



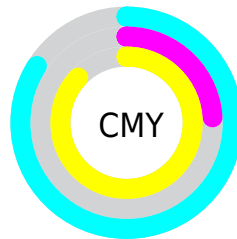
- Red (16%)
- Green (76%)
- Blue (13%)



- Red (13%)
- Yellow (76%)
- Blue (73%)



- Cyan (79%)
- Magenta (0%)
- Yellow (83%)
- Black (24%)



- Cyan (84%)
- Magenta (24%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the RYB color 33, 193, 186 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 33, 193, 186 by changing the saturation by 10% instead.



33, 193, 186



33, 193, 186

255, 255, 255



0, 165, 165



93, 251, 230



0, 138, 138



121, 255, 231



0, 111, 111



149, 255, 228



0, 85, 85



177, 255, 226



0, 61, 61



206, 255, 224



0, 36, 36



235, 255, 235



0, 0, 0



33, 193, 186



33, 193, 186



14, 193, 185



52, 193, 187

■ 0, 193, 185

■ 72, 193, 188

■ 91, 193, 189

■ 110, 193, 189

■ 130, 193, 191

■ 149, 193, 191

■ 168, 193, 192

■ 187, 193, 192

■ 206, 193, 207

Harmonies

Analogous

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



0, 177, 18



33, 193, 186



0, 124, 201

Triad

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



33, 193, 186



0, 108, 255



255, 68, 126

Complementary

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



33, 193, 186



186, 33, 193

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, 74, 208



33, 193, 186



28, 112, 255

Square

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



33, 193, 186



0, 112, 255



225, 121, 255



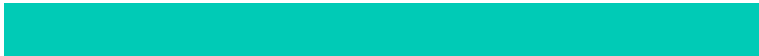
255, 138, 46

Rectangle

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



33, 193, 186



0, 107, 203



225, 121, 255



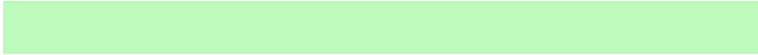
255, 62, 153

Sweetspot

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



33, 193, 186



187, 250, 247



41, 193, 33



87, 125, 123



252, 252, 252



125, 125, 125

Same Dimension

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



33, 193, 186



2, 250, 239



33, 143, 193



87, 97, 96



0, 161, 154



0, 33, 32

Inverse Universe

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



186, 33, 193



239, 2, 250



193, 33, 121



96, 87, 97



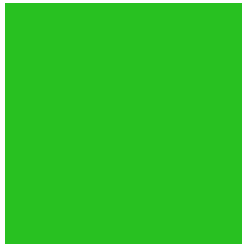
154, 0, 161



32, 0, 33

Previews

White Background



This preview shows how the RYB color 33, 193, 186 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 33, 193, 186 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 33, 193, 186 Background



This preview shows how black text looks on a background with the RGB color 33, 193, 186.

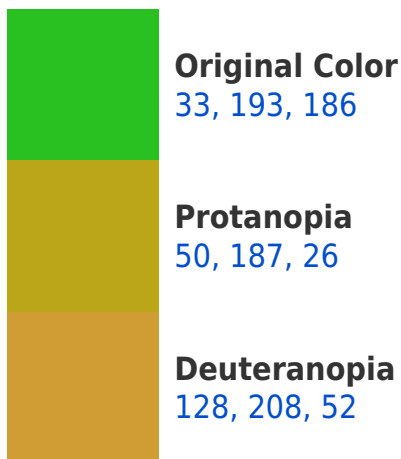


This preview shows how white text looks on a background with the RGB color 33, 193, 186.

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
88, 137, 194

Trichromacy



Original Color

33, 193, 186



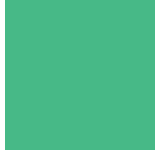
Protanomaly

29, 176, 71



Deuteranomaly

45, 170, 68



Tritanomaly

71, 144, 185

Monochromacy



Original Color

33, 193, 186



Achromatopsia

129, 129, 129



Achromatomaly

94, 152, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 33, 193, 186 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, 193, 33)` looks like.

```
.text, #text, p{  
    color:rgb(40, 193, 33)  
}
```

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, 193, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 193, 33) }
```

Border

The CSS property to change the border of an element to RYB 33, 193, 186 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, 193, 33) }
```

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

```
.border{ border-color:rgb(40, 193, 33) }
```

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

Here you see how a box with a 4 pixel rgb(40, 193, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 193, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 193, 33);  
box-shadow:4px 4px 4px 4px rgb(40, 193,  
33) }
```

Background

The CSS property to change the background color of an element to RYB 33, 193, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 193, 33) }
```

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

```
.background{ background-color: rgb(40, 193,  
33) }
```

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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