

Converting Colors

RGB(42, 202, 137)

Have a look what the booklet for
RGB(42, 202, 137) contains.

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Color

RGB(42, 202, 137)

Conversions

Conversions Part 1

Format	Color
Hex	2ACA89
RGB	42, 202, 137
RGB Percent	16%, 79%, 54%
CMY	0.8353, 0.2078, 0.4627
CMYK	0.79, 0.00, 0.32, 0.21
HSL	156°, 66%, 48%
HSV	156°, 79%, 79%
XYZ	26.5907, 44.5394, 30.8624
YIQ	146.7500, -74.4950, -54.1350

Conversions

Conversions Part 2

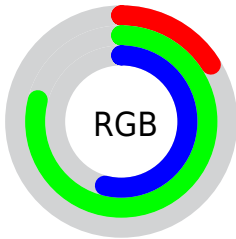
Format	Color
RYB	42, 142, 202
Decimal	2804361
CIELab	72.59, -54.83, 21.36
CIELCh	73, 58.842, 158.715
Yxy	44.5394, 0.2607, 0.4367
Android (android.graphics.Color)	4280994441 (0xFF2ACA89)
YUV	146.7500, -4.8068, -91.8658
Hunter-Lab	66.7379, -45.6706, 19.2983

Details

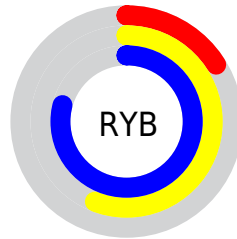
The RGB color **42, 202, 137** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **202, 42, 107**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **114, 255, 191**, and **0, 147, 87** is the 20% darker color. If you saturate the color by 10%, you get **22, 202, 129**, and if you desaturate by 10%, it is **62, 202, 145**.

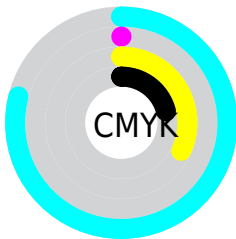
Distribution



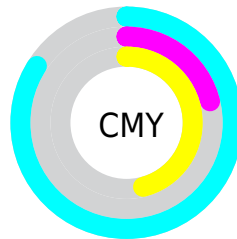
- Red (16%)
- Green (79%)
- Blue (54%)



- Red (16%)
- Yellow (56%)
- Blue (79%)



- Cyan (79%)
- Magenta (0%)
- Yellow (32%)
- Black (21%)



- Cyan (84%)
- Magenta (21%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RGB color 42, 202, 137 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 RGB color 42, 202, 137 by changing the saturation by 10% instead.



42, 202, 137



42, 202, 137

255, 255, 255



0, 174, 111



114, 255, 191



0, 147, 87



145, 255, 219



0, 120, 63



175, 255, 247



0, 94, 40



206, 255, 255



0, 69, 19



236, 255, 255



0, 47, 0



0, 16, 0



0, 0, 0



42, 202, 137



42, 202, 137

■ 22, 202, 129

■ 62, 202, 145

■ 2, 202, 121

■ 82, 202, 153

■ 0, 202, 120

■ 103, 202, 162

■ 123, 202, 170

■ 143, 202, 178

■ 163, 202, 186

■ 183, 202, 194

■ 204, 202, 203

■ 224, 202, 211

Harmonies

Analogous

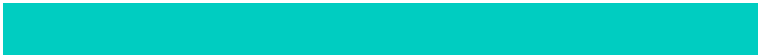
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



136, 194, 90



42, 202, 137



0, 205, 193

Triad

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



42, 202, 137



108, 179, 255



255, 141, 113

Complementary

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



42, 202, 137



202, 42, 107

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, 130, 164



42, 202, 137



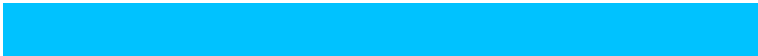
202, 157, 255

Square

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



42, 202, 137



0, 194, 255



255, 137, 218



239, 161, 76

Rectangle

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



42, 202, 137



0, 204, 228



255, 137, 218



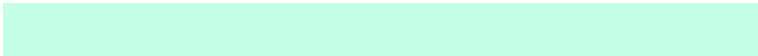
255, 136, 129

Sweetspot

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



42, 202, 137



194, 255, 230



109, 202, 42



91, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



42, 202, 137



13, 255, 157



42, 189, 202



92, 102, 98



0, 166, 98



0, 38, 23

Inverse Universe

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



202, 42, 107



255, 13, 111



202, 55, 42



102, 92, 96



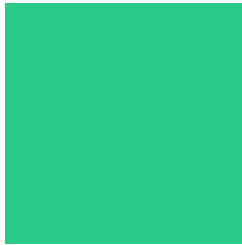
166, 0, 67



38, 0, 16

Previews

White Background



This preview shows how the RGB color 42, 202, 137 looks on a white background.

Color Contrast Check

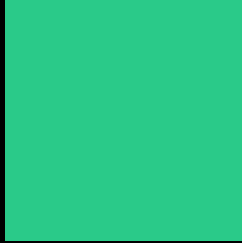
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 42, 202, 137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

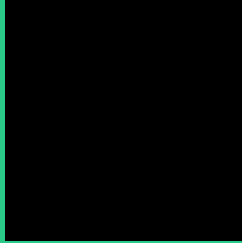
Any Text WCAG AA ✓ Pass

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 42, 202, 137 Background



This preview shows how black text looks on a background with the RGB color 42, 202, 137.

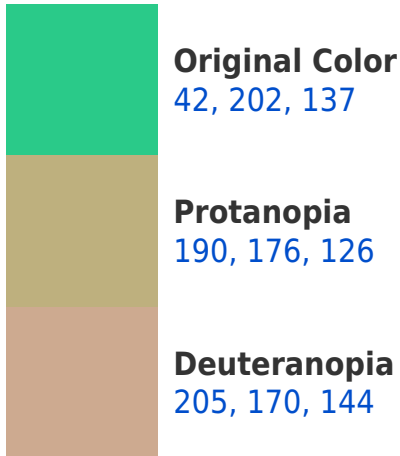


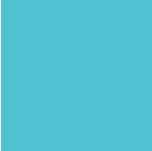
This preview shows how white text looks on a background with the RGB color 42, 202, 137.

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
79, 193, 209

Trichromacy



Original Color

42, 202, 137



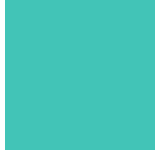
Protanomaly

136, 185, 130



Deuteranomaly

146, 182, 141



Tritanomaly

66, 196, 183

Monochromacy



Original Color

42, 202, 137



Achromatopsia

147, 147, 147



Achromatomaly

109, 167, 143

CSS Examples

Text

The CSS property to change the color of the text to RGB 42, 202, 137 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(42, 202, 137)` looks like.

```
.text, #text, p{  
    color:rgb(42, 202, 137)  
}
```

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(42, 202, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 202, 137) }
```

Border

The CSS property to change the border of an element to RGB 42, 202, 137 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(42, 202, 137) }
```

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

```
.border{ border-color:rgb(42, 202, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 202, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 202, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 202, 137);  
box-shadow:4px 4px 4px 4px rgb(42, 202,  
137) }
```

Background

The CSS property to change the background color of an element to RGB 42, 202, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 202, 137) }
```

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

```
.background{ background-color: rgb(42, 202,  
137) }
```

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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