

Converting Colors

RGB(45, 214, 138)

Have a look what the booklet for
RGB(45, 214, 138) contains.

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Color

RGB(45, 214, 138)

Conversions

Conversions Part 1

Format	Color
Hex	2DD68A
RGB	45, 214, 138
RGB Percent	18%, 84%, 54%
CMY	0.8235, 0.1608, 0.4588
CMYK	0.79, 0.00, 0.36, 0.16
HSL	153°, 67%, 51%
HSV	153°, 79%, 84%
XYZ	29.7162, 50.4860, 32.2233
YIQ	154.8050, -76.3280, -59.4640

Conversions

Conversions Part 2

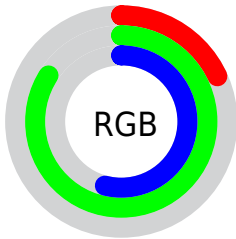
Format	Color
RYB	45, 154, 214
Decimal	3004042
CIELab	76.37, -58.78, 25.97
CIELCh	76, 64.259, 156.160
Yxy	50.4860, 0.2643, 0.4491
Android (android.graphics.Color)	4281194122 (0xFF2DD68A)
YUV	154.8050, -8.2849, -96.2990
Hunter-Lab	71.0535, -49.6908, 22.8490

Details

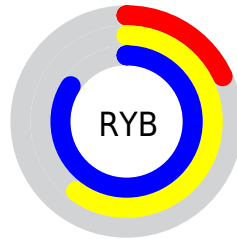
The RGB color **45, 214, 138** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **214, 45, 121**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **118, 255, 192**, and **0, 158, 87** is the 20% darker color. If you saturate the color by 10%, you get **24, 214, 128**, and if you desaturate by 10%, it is **66, 214, 148**.

Distribution



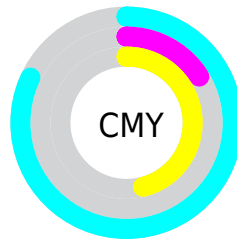
- Red (18%)
- Green (84%)
- Blue (54%)



- Red (18%)
- Yellow (60%)
- Blue (84%)



- Cyan (79%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)



















- Cyan (82%)
- Magenta (16%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 214, 138 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 45, 214, 138 by changing the saturation by 10% instead.

 45, 214, 138	 45, 214, 138
 255, 255, 255	 0, 186, 112
 118, 255, 192	 0, 158, 87
 149, 255, 220	 0, 131, 63
 180, 255, 249	 0, 104, 40
 211, 255, 255	 0, 79, 18
 242, 255, 255	 0, 55, 0
	 0, 30, 0
	 0, 0, 0

 45, 214, 138  45, 214, 138

■ 24, 214, 128

■ 66, 214, 148

■ 2, 214, 119

■ 88, 214, 157

■ 0, 214, 118

■ 109, 214, 167

■ 131, 214, 176

■ 152, 214, 186

■ 173, 214, 196

■ 195, 214, 205

■ 216, 214, 215

■ 238, 214, 225

Harmonies

Analogous

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



147, 205, 87



45, 214, 138



0, 218, 199

Triad

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



45, 214, 138



92, 191, 255



255, 146, 121

Complementary

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



45, 214, 138



214, 45, 121

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, 135, 178



45, 214, 138



208, 168, 255

Square

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



45, 214, 138



0, 207, 255



255, 144, 238



255, 168, 78

Rectangle

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



45, 214, 138



0, 217, 239



255, 144, 238



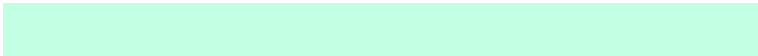
255, 140, 139

Sweetspot

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



45, 214, 138



194, 255, 227



121, 214, 45



91, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



45, 214, 138



13, 255, 146



45, 206, 214



96, 107, 102



0, 171, 94



0, 43, 24

Inverse Universe

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



214, 45, 121



255, 13, 122



214, 53, 45



107, 96, 101



171, 0, 77



43, 0, 19

Previews

White Background



This preview shows how the RGB color 45, 214, 138 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 45, 214, 138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

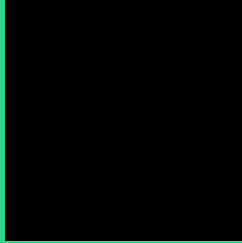
Any Text WCAG AA ✓ Pass

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 45, 214, 138 Background



This preview shows how black text looks on a background with the RGB color 45, 214, 138.

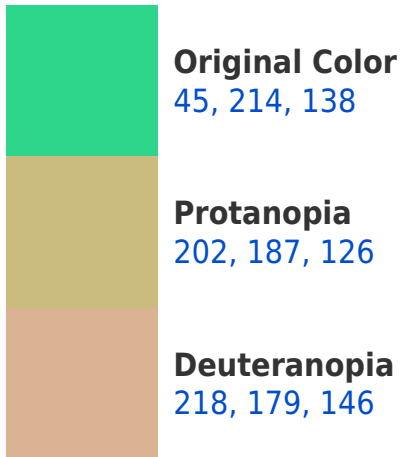


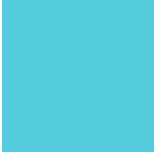
This preview shows how white text looks on a background with the RGB color 45, 214, 138.

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
85, 204, 220

Trichromacy



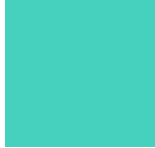
Original Color
45, 214, 138



Protanomaly
145, 197, 130



Deuteranomaly
155, 192, 143



Tritanomaly
70, 208, 190

Monochromacy



Original Color
45, 214, 138



Achromatopsia
155, 155, 155



Achromatomaly
115, 176, 149

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 214, 138 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(45, 214, 138)` looks like.

```
.text, #text, p{  
    color:rgb(45, 214, 138)  
}
```

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(45, 214, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 214, 138) }
```

Border

The CSS property to change the border of an element to RGB 45, 214, 138 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(45, 214, 138) }
```

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

```
.border{ border-color:rgb(45, 214, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 214, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 214, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 214, 138);  
box-shadow:4px 4px 4px 4px rgb(45, 214,  
138) }
```

Background

The CSS property to change the background color of an element to RGB 45, 214, 138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 214, 138) }
```

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

```
.background{ background-color: rgb(45, 214,  
138) }
```

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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