

# Converting Colors

Hex(209E4B)

Have a look what the booklet for  
Hex(209E4B) contains.

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# Color

Hex(209E4B)

# Conversions

## Conversions Part 1

Format	Color
Hex	209E4B
RGB	32, 158, 75
RGB Percent	13%, 62%, 29%
CMY	0.8745, 0.3804, 0.7059
CMYK	0.80, 0.00, 0.53, 0.38
HSL	140°, 66%, 37%
HSV	140°, 80%, 62%
XYZ	14.0925, 25.2688, 10.7912
YIQ	110.8640, -48.4530, -52.5250

# Conversions

## Conversions Part 2

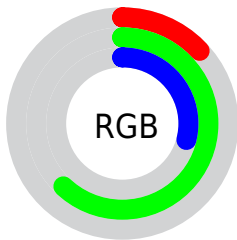
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 126, 158
Decimal	2137675
CIELab	57.34, -51.47, 33.89
CIELCh	57, 61.621, 146.638
Yxy	25.2688, 0.2810, 0.5038
Android (android.graphics.Color)	4280327755 (0xFF209E4B)
YUV	110.8640, -17.6810, -69.1637
Hunter-Lab	50.2681, -37.9271, 22.4597

# Details

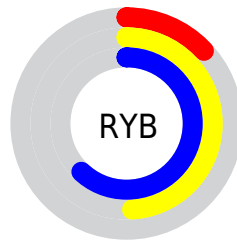
The Hex color **209E4B** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9E2073**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **63D67E**, and **00691B** is the 20% darker color. If you saturate the color by 10%, you get **109E41**, and if you desaturate by 10%, it is **309E55**.

# Distribution



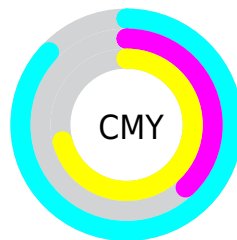
- Red (13%)
- Green (62%)
- Blue (29%)



- Red (13%)
- Yellow (49%)
- Blue (62%)



- Cyan (80%)
- Magenta (0%)
- Yellow (53%)
- Black (38%)



- Cyan (87%)
- Magenta (38%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 209E4B 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 Hex color 209E4B by changing the saturation by 10% instead.



 209E4B

 209E4B

FFFFFF

 008333

 63D67E

 00691B

 80F398

 005001

 9DFFB3

 003800

 BAFFCF

 002100

 D8FFEB

 000000

 F6FFFF

 209E4B

 209E4B

 109E41

 309E55

 009E36

 409E60

 4F9E6A

 5F9E75

 6F9E7F

 7F9E89

 8F9E94

 9E9E9E

 AE9EA9

# Harmonies

## Analogous

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



75951B



209E4B



00A282

# Triad

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



209E4B



0092F5



E85A5D

# Complementary

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



209E4B



9E2073

# 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.



E65492



209E4B



7D7EEA

# Square

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



209E4B



009EE3



C565C6



D1702E

# Rectangle

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



209E4B



00A3A7



C565C6



EA566E



# Sweetspot

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



209E4B



9DCFAE



749E20



4A6955



E8E8E8



696969



# Same Dimension

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



209E4B



08CF4C



209E89



474F4A



008F31



000F05



# Inverse Universe

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



9E2073



CF088B



9E2035



4F474C



8F005E



0F000A



# Previews

## White Background



This preview shows how the Hex color 209E4B looks on a white background.

## Color Contrast Check

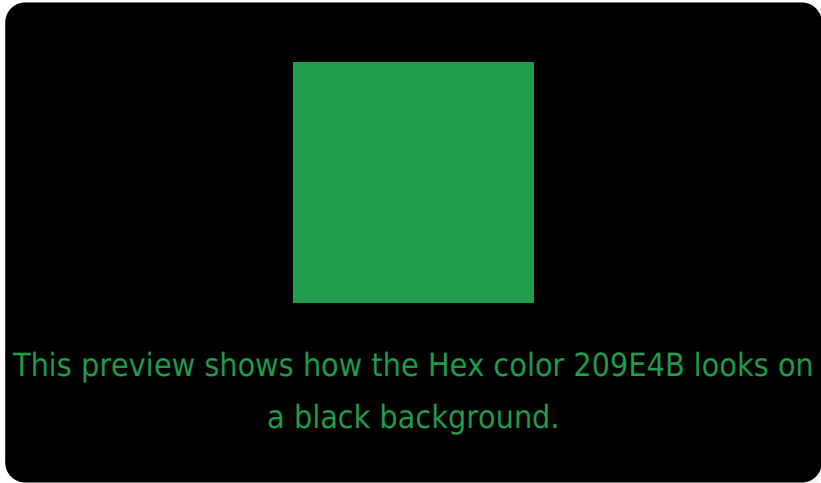
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

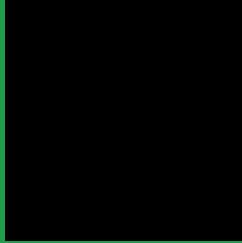
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 209E4B Background



This preview shows how black text looks on a background with the Hex color 209E4B.

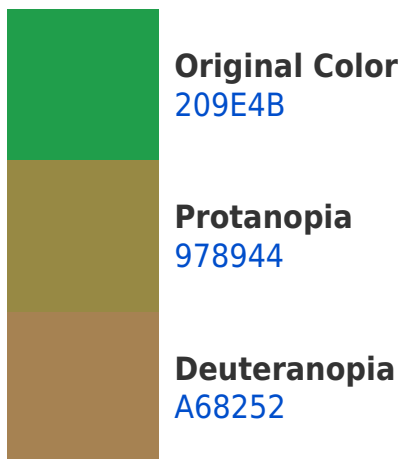


This preview shows how white text looks on a background with the Hex color 209E4B.

# 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**  
4395A1

# Trichromacy



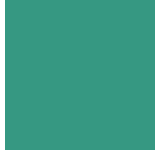
**Original Color**  
209E4B



**Protanomaly**  
6C9147



**Deuteranomaly**  
758C4F



**Tritanomaly**  
369882

# Monochromacy



**Original Color**  
209E4B



**Achromatopsia**  
6F6F6F



**Achromatomaly**  
528062

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 209E4B 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 #209E4B looks like.

```
.text, #text, p{  
    color:#209E4B  
}
```

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 #209E4B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #209E4B
}
```

## Border

The CSS property to change the border of an element to Hex 209E4B 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
#209E4B }
```

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

```
.border{ border-color:#209E4B }
```

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

Here you see how a box with a 4 pixel #209E4B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #209E4B; -webkit-box-shadow:4px 4px  
4px 4px #209E4B; box-shadow:4px 4px 4px  
4px #209E4B }
```

# Background

The CSS property to change the background color of an element to Hex 209E4B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#209E4B }
```

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

```
.background{ background-color:#209E4B }
```

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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