

# Converting Colors

Hex(18A455)

Have a look what the booklet for  
Hex(18A455) contains.

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# Color

**Hex(18A455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18A455
RGB	24, 164, 85
RGB Percent	9%, 64%, 33%
CMY	0.9059, 0.3569, 0.6667
CMYK	0.85, 0.00, 0.48, 0.36
HSL	146°, 74%, 37%
HSV	146°, 85%, 64%
XYZ	15.2918, 27.4010, 13.0773
YIQ	113.1340, -58.0810, -54.2490

# Conversions

## Conversions Part 2

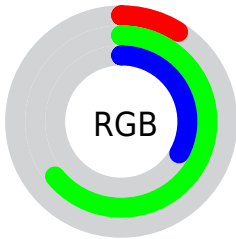
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 122, 164
Decimal	1614933
CIE Lab	59.34, -52.81, 31.23
CIE LCh	59, 61.355, 149.407
Yxy	27.4010, 0.2742, 0.4913
Android (android.graphics.Color)	4279805013 (0xFF18A455)
YUV	113.1340, -13.8701, -78.1705
Hunter-Lab	52.3460, -39.4601, 21.8301

# Details

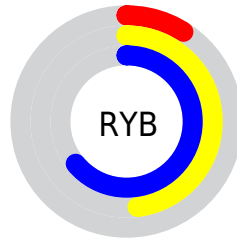
The Hex color **18A455** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A41867**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **60DC88**, and **006F25** is the 20% darker color. If you saturate the color by 10%, you get **08A44C**, and if you desaturate by 10%, it is **28A45E**.

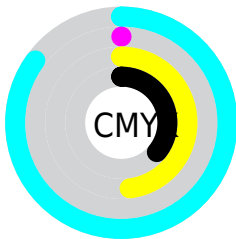
# Distribution



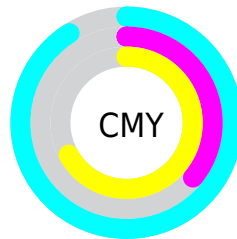
- Red (9%)
- Green (64%)
- Blue (33%)



- Red (9%)
- Yellow (48%)
- Blue (64%)



- Cyan (85%)
- Magenta (0%)
- Yellow (48%)
- Black (36%)



- Cyan (91%)
- Magenta (36%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 18A455 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 18A455 by changing the saturation by 10% instead.





18A455



18A455

FFFFFF



00893D



60DC88



006F25



7EF9A3



00550D



9CFFBE



003C00



B9FFDA



002600



D7FFF7



000000



F5FFFF



18A455



18A455



08A44C



28A45E

■ 00A447

■ 39A468

■ 49A471

■ 5AA47A

■ 6AA483

■ 7AA48D

■ 8BA496

■ 9BA49F

■ ACA4A8

# Harmonies

## Analogous

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



759B26



18A455



00A88C

# Triad

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



18A455



0095FB



ED625D

# Complementary

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



18A455



A41867

# 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.



ED5A92



18A455



8C81ED

# Square

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



18A455



00A2EB



CF69C7



D47730

# Rectangle

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



18A455



00A8B1



CF69C7



F05D6E



# Sweetspot

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



18A455



9FD6B7



67A418



4A6B58



EBEBEB



6B6B6B



# Same Dimension

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



18A455



00D65D



18A49B



49524D



00913F



001208



# Inverse Universe

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



A41867



D60079



A41821



52494E



910052



12000A



# Previews

## White Background



This preview shows how the Hex color 18A455 looks on a white background.

## Color Contrast Check

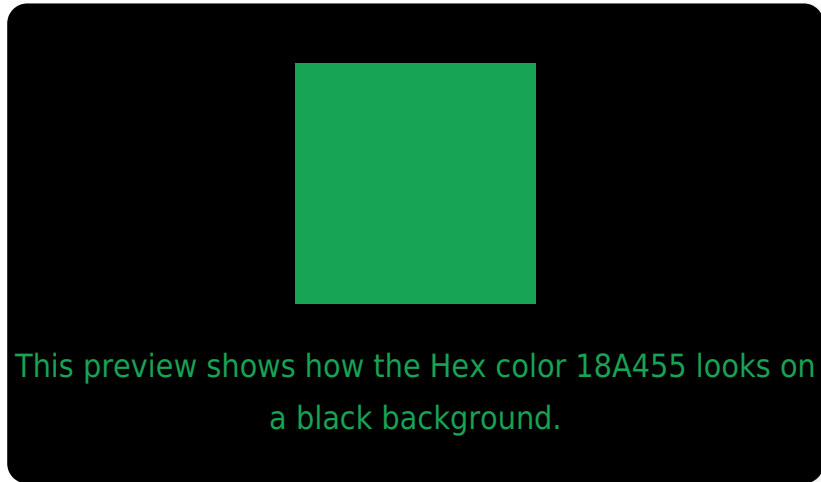
Large Text (above 18pt) WCAG AA ✓ Pass

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

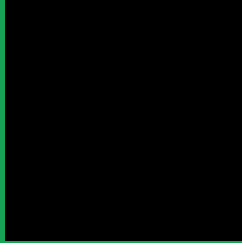
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 18A455 Background



This preview shows how black text looks on a background with the Hex color 18A455.

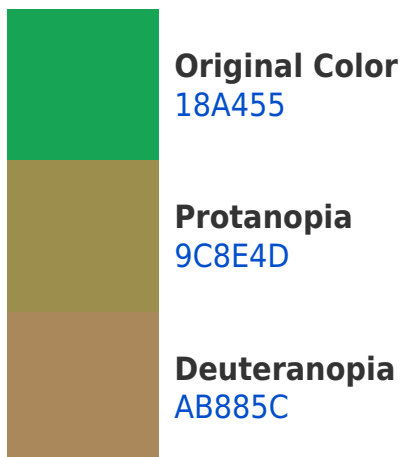


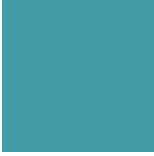
This preview shows how white text looks on a background with the Hex color 18A455.

# 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**  
429BA7

# Trichromacy



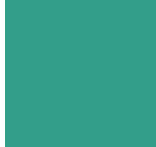
**Original Color**  
18A455



**Protanomaly**  
6C9650



**Deuteranomaly**  
769259



**Tritanomaly**  
339E89

# Monochromacy



**Original Color**  
18A455



**Achromatopsia**  
717171



**Achromatomaly**  
518467

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 18A455 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 #18A455 looks like.

```
.text, #text, p{  
    color:#18A455  
}
```

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 #18A455 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #18A455
}
```

## Border

The CSS property to change the border of an element to Hex 18A455 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
#18A455 }
```

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

```
.border{ border-color:#18A455 }
```

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

Here you see how a box with a 4 pixel #18A455 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #18A455; -webkit-box-shadow:4px 4px  
4px 4px #18A455; box-shadow:4px 4px 4px  
4px #18A455 }
```

# Background

The CSS property to change the background color of an element to Hex 18A455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#18A455 }
```

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

```
.background{ background-color:#18A455 }
```

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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