

# Converting Colors

Hex(1B955A)

Have a look what the booklet for  
Hex(1B955A) contains.

<b>Hex(1B955A)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(1B955A)

# Conversions

## Conversions Part 1

Format	Color
Hex	1B955A
RGB	27, 149, 90
RGB Percent	11%, 58%, 35%
CMY	0.8941, 0.4157, 0.6471
CMYK	0.82, 0.00, 0.40, 0.42
HSL	151°, 69%, 35%
HSV	151°, 82%, 58%
XYZ	13.0449, 22.4661, 13.3217
YIQ	105.7960, -53.7730, -44.2130

# Conversions

## Conversions Part 2

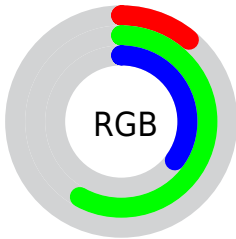
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 107, 149
Decimal	1807706
CIE <sub>Lab</sub>	54.52, -46.05, 22.29
CIE <sub>LCh</sub>	55, 51.159, 154.164
Yxy	22.4661, 0.2671, 0.4601
Android (android.graphics.Color)	4279997786 (0xFF1B955A)
YUV	105.7960, -7.7874, -69.1041
Hunter-Lab	47.3984, -33.8208, 16.5149

# Details

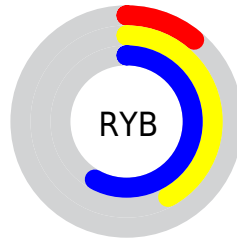
The Hex color **1B955A** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **951B56**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **5ECC8D**, and **00612B** is the 20% darker color. If you saturate the color by 10%, you get **0C9553**, and if you desaturate by 10%, it is **2A9561**.

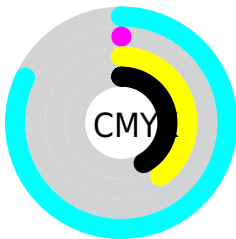
# Distribution



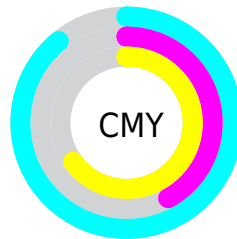
- Red (11%)
- Green (58%)
- Blue (35%)



- Red (11%)
- Yellow (42%)
- Blue (58%)



- Cyan (82%)
- Magenta (0%)
- Yellow (40%)
- Black (42%)



- Cyan (89%)
- Magenta (42%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B955A 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 1B955A by changing the saturation by 10% instead.





1B955A



1B955A

FFFFFF



007B42



5ECC8D



00612B



7BE9A7



004815



97FFC2



003100



B4FFDF



001800



D1FFFB



000000



FFFFFF



1B955A



1B955A



0C9553



2A9561

■ 00954D

■ 399568

■ 489570

■ 579577

■ 65957E

■ 749585

■ 83958C

■ 929594

■ A1959B

# Harmonies

## Analogous

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



678E34



1B955A



009887

# Triad

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



1B955A



2A85DB



CF6153

# Complementary

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



1B955A



951B56

# 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.



D25A7E



1B955A



8C74CC

# Square

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



1B955A



0091D2



BD62AA



B87231

# Rectangle

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



1B955A



0098A5



BD62AA



D25D61



# Sweetspot

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



1B955A



91C2AA



58951B



446153



E0E0E0



616161



# Same Dimension

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



1B955A



04C266



1B9595



434A46



008A47



000A05



# Inverse Universe

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



951B56



C20460



951B1B



4A4346



8A0043



0A0005



# Previews

## White Background



This preview shows how the Hex color 1B955A looks on a white background.

## Color Contrast Check

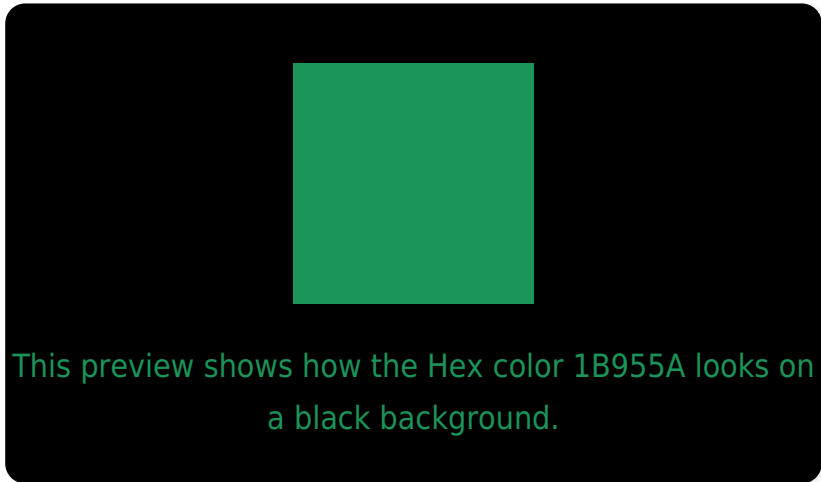
Large Text (above 18pt) WCAG AA ✓ Pass

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 1B955A Background



This preview shows how black text looks on a background with the Hex color 1B955A.



This preview shows how white text looks on a background with the Hex color 1B955A.

# 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



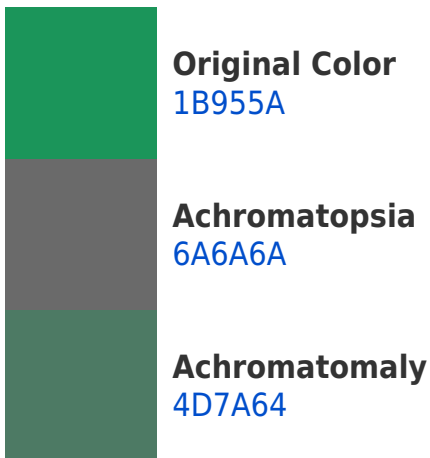


**Tritanopia**  
3B8E99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B955A 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 #1B955A looks like.

```
.text, #text, p{  
    color:#1B955A  
}
```

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 #1B955A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B955A
}
```

## Border

The CSS property to change the border of an element to Hex 1B955A 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
#1B955A }
```

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

```
.border{ border-color:#1B955A }
```

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

Here you see how a box with a 4 pixel #1B955A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B955A; -webkit-box-shadow:4px 4px  
4px 4px #1B955A; box-shadow:4px 4px 4px  
4px #1B955A }
```

# Background

The CSS property to change the background color of an element to Hex 1B955A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B955A }
```

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

```
.background{ background-color:#1B955A }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor