

# Converting Colors

Hex(10B589)

Have a look what the booklet for  
Hex(10B589) contains.

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# **Color**

**Hex(10B589)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 10B589                       |
| RGB         | 16, 181, 137                 |
| RGB Percent | 6%, 71%, 54%                 |
| CMY         | 0.9373, 0.2902, 0.4627       |
| CMYK        | 0.91, 0.00, 0.24, 0.29       |
| HSL         | 164°, 84%, 39%               |
| HSV         | 164°, 91%, 71%               |
| XYZ         | 21.2529, 34.9640, 29.2955    |
| YIQ         | 126.6490, -84.2160, -48.6640 |

# Conversions

## Conversions Part 2

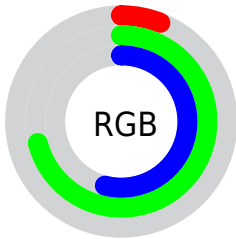
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 16, 111, 181                  |
| Decimal                             | 1095049                       |
| CIELab                              | 65.72, -48.76, 11.78          |
| CIELCh                              | 66, 50.168, 166.416           |
| Yxy                                 | 34.9640, 0.2485,<br>0.4089    |
| Android<br>(android.graphics.Color) | 4279285129<br>(0xFF10B589)    |
| YUV                                 | 126.6490, 5.1030,<br>-97.0392 |
| Hunter-Lab                          | 59.1304, -39.3209,<br>12.0167 |

# Details

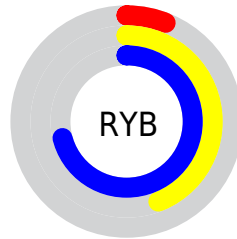
The Hex color **10B589** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B5103C**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **63EEBE**, and **007F57** is the 20% darker color. If you saturate the color by 10%, you get **00B585**, and if you desaturate by 10%, it is **22B58E**.

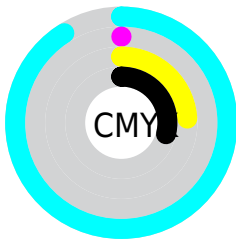
# Distribution



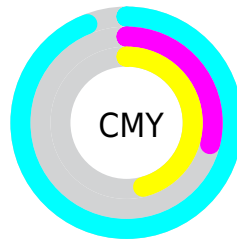
- Red (6%)
- Green (71%)
- Blue (54%)



- Red (6%)
- Yellow (44%)
- Blue (71%)



- Cyan (91%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)



- Cyan (94%)
- Magenta (29%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 10B589 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 10B589 by changing the saturation by 10% instead.



 10B589

 10B589

FFFFFF

 009A70

 63EEBE

 007F57

 82FFDA

 006540

 A0FFF7

 004C2A

 BEFFFF

 003415

 DDFFFF

 001C00

 FBFFFF

 000000

 10B589

 10B589

 00B585

 22B58E

 34B593

 46B597

 58B59C

 6BB5A1

 7DB5A6

 8FB5AB

 A1B5B0

 B3B5B4

# Harmonies

## Analogous

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



6FAF5F



10B589



00B6B8

# Triad

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



10B589



809CF6



E98560

# Complementary

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



10B589



B5103C

# 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.



F47A89



10B589



C28ADE

# Square

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



10B589



00AAF7



E87CB6



CB9646

# Rectangle

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



10B589



00B5D4



E87CB6



EF816D



# Sweetspot

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



10B589



ABEBDA



3CB510



50756B



F5F5F5



757575



# Same Dimension

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



10B589



00EBAC



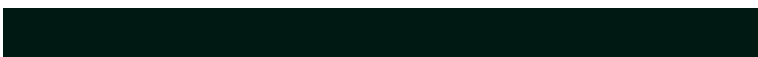
108FB5



505957



009970



001A13



# Inverse Universe

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



B5103C



EB003F



B53710



595053



990029

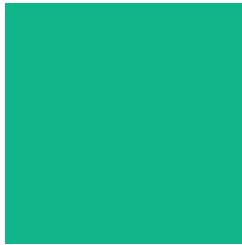


1A0007



# Previews

## White Background



This preview shows how the Hex color 10B589 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 Hex color 10B589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

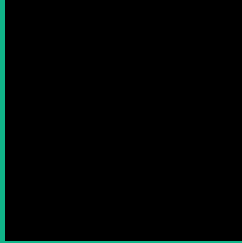
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 10B589 Background



This preview shows how black text looks on a background with the Hex color 10B589.

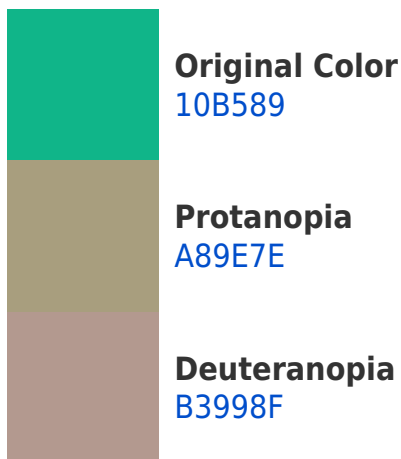


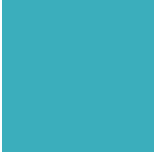
This preview shows how white text looks on a background with the Hex color 10B589.

# 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





# Trichromacy



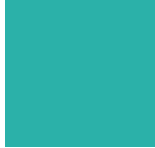
**Original Color**  
10B589



**Protanomaly**  
71A682



**Deuteranomaly**  
78A38D



**Tritanomaly**  
2BB1A9

# Monochromacy



**Original Color**  
10B589



**Achromatopsia**  
7F7F7F



**Achromatomaly**  
579383

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 10B589 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 #10B589 looks like.

```
.text, #text, p{  
    color:#10B589  
}
```

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 #10B589 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #10B589
}
```

## Border

The CSS property to change the border of an element to Hex 10B589 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
#10B589 }
```

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

```
.border{ border-color:#10B589 }
```

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

Here you see how a box with a 4 pixel #10B589 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #10B589; -webkit-box-shadow:4px 4px  
4px 4px #10B589; box-shadow:4px 4px 4px  
4px #10B589 }
```

# Background

The CSS property to change the background color of an element to Hex 10B589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#10B589 }
```

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

```
.background{ background-color:#10B589 }
```

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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