

# Converting Colors

Hex(12B273)

Have a look what the booklet for  
Hex(12B273) contains.

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# Color

Hex(12B273)

# Conversions

## Conversions Part 1

Format	Color
Hex	12B273
RGB	18, 178, 115
RGB Percent	7%, 70%, 45%
CMY	0.9294, 0.3020, 0.5490
CMYK	0.90, 0.00, 0.35, 0.30
HSL	156°, 82%, 38%
HSV	156°, 90%, 70%
XYZ	19.2644, 33.2072, 21.6139
YIQ	122.9780, -75.1370, -53.5130

# Conversions

## Conversions Part 2

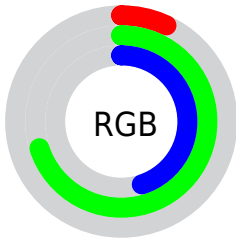
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">18, 118, 178</a>
Decimal	<a href="#">1225331</a>
CIELab	<a href="#">64.33, -52.54, 21.83</a>
CIElCh	<a href="#">64, 56.894, 157.439</a>
Yxy	<a href="#">33.2072, 0.2600, 0.4482</a>
Android (android.graphics.Color)	<a href="#">4279415411 (0xFF12B273)</a>
YUV	<a href="#">122.9780, -3.9332, -92.0657</a>
Hunter-Lab	<a href="#">57.6257, -41.1721, 18.0998</a>

# Details

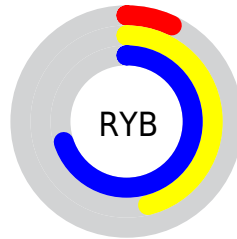
The Hex color **12B273** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B21251**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **62EBA7**, and **007C42** is the 20% darker color. If you saturate the color by 10%, you get **00B26C**, and if you desaturate by 10%, it is **24B27A**.

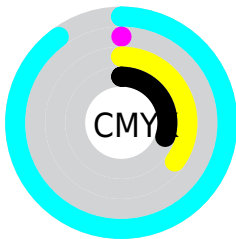
# Distribution



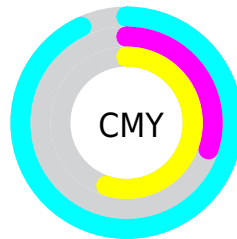
- Red (7%)
- Green (70%)
- Blue (45%)



- Red (7%)
- Yellow (46%)
- Blue (70%)



- Cyan (90%)
- Magenta (0%)
- Yellow (35%)
- Black (30%)



- Cyan (93%)
- Magenta (30%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12B273 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 12B273 by changing the saturation by 10% instead.



 12B273

 12B273

FFFFFF

 00975A

 62EBA7

 007C42

 81FFC3

 00622B

 9FFFDf

 004916

 BDFFFB

 003200

 DBFFFF

 001800

 F9FFFF

 000000

 12B273

 12B273

 00B26C

 24B27A

 36B281

 47B288

 59B28F

 6BB296

 7DB29D

 8FB2A4

 A0B2AB

 B2B2B2

# Harmonies

## Analogous

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



76AA46



12B273



00B5A8

# Triad

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



12B273



4E9DFF



F27861

# Complementary

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



12B273



B21251

# 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.



F96E91



12B273



AF89ED

# Square

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



12B273



00ACF9



E475C4



D68B3C

# Rectangle

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



12B273



00B4C9



E475C4



F77370



# Sweetspot

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



12B273



A9E8CF



52B212



507567



F5F5F5



757575



# Same Dimension

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



12B273



00E88D



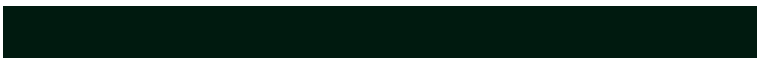
12A2B2



505956



00995D



001A0F



# Inverse Universe

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



B21251



E8005B



B22212



595054



99003C



1A000A



# Previews

## White Background



This preview shows how the Hex color 12B273 looks on a white background.

## Color Contrast Check

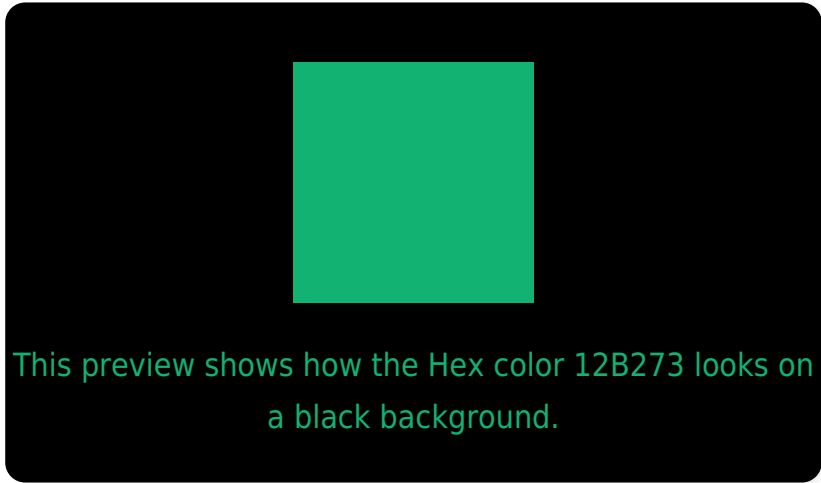
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

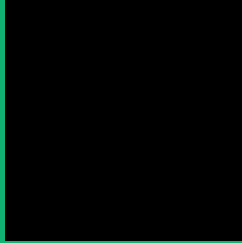
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12B273 Background



This preview shows how black text looks on a background with the Hex color 12B273.



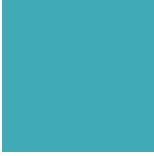
This preview shows how white text looks on a background with the Hex color 12B273.

# 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](#).

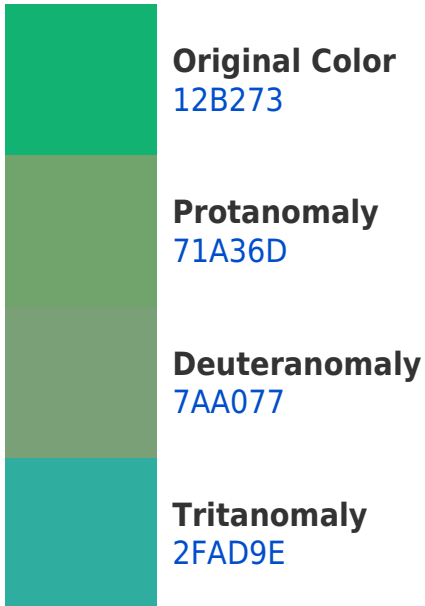
## Dichromacy



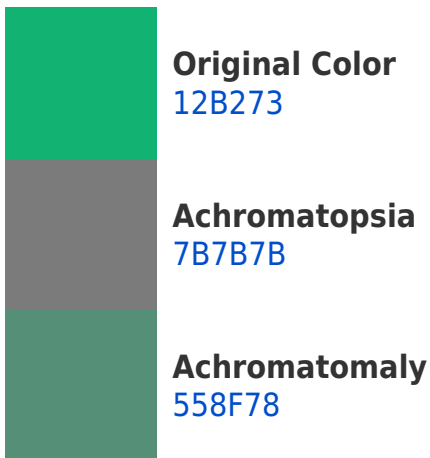


**Tritanopia**  
40AAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12B273 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 #12B273 looks like.

```
.text, #text, p{  
    color:#12B273  
}
```

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 #12B273 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12B273
}
```

## Border

The CSS property to change the border of an element to Hex 12B273 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
#12B273 }
```

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

```
.border{ border-color:#12B273 }
```

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

Here you see how a box with a 4 pixel #12B273 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12B273; -webkit-box-shadow:4px 4px  
4px 4px #12B273; box-shadow:4px 4px 4px  
4px #12B273 }
```

# Background

The CSS property to change the background color of an element to Hex 12B273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12B273 }
```

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

```
.background{ background-color:#12B273 }
```

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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