

# Converting Colors

Hex(12E2E2)

Have a look what the booklet for  
Hex(12E2E2) contains.

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# Color

Hex(12E2E2)

# Conversions

## Conversions Part 1

Format	Color
Hex	12E2E2
RGB	18, 226, 226
RGB Percent	7%, 89%, 89%
CMY	0.9294, 0.1137, 0.1137
CMYK	0.92, 0.00, 0.00, 0.11
HSL	180°, 85%, 48%
HSV	180°, 92%, 89%
XYZ	41.1733, 60.0123, 81.3650
YIQ	163.8080, -123.9680, -44.0960

# Conversions

## Conversions Part 2

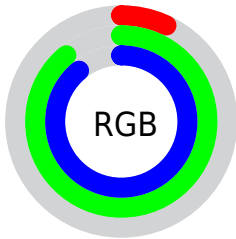
Format	Color
<b>RYB</b>	18, 122, 226
Decimal	1237730
CIELab	81.84, -43.42, -12.79
CIELCh	82, 45.268, 196.416
Yxy	60.0123, 0.2255, 0.3287
Android (android.graphics.Color)	4279427810 (0xFF12E2E2)
YUV	163.8080, 30.6607, -127.8736
Hunter-Lab	77.4676, -40.6973, -8.0455

# Details

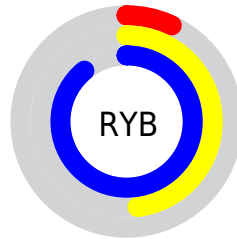
The Hex color **12E2E2** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **E21212**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **74FFFF**, and **00AAAB** is the 20% darker color. If you saturate the color by 10%, you get **00E2E2**, and if you desaturate by 10%, it is **29E2E2**.

# Distribution



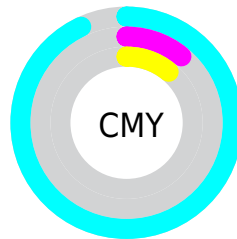
- Red (7%)
- Green (89%)
- Blue (89%)



- Red (7%)
- Yellow (48%)
- Blue (89%)



- Cyan (92%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (93%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12E2E2 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 12E2E2 by changing the saturation by 10% instead.



 12E2E2

 12E2E2

FFFFFF

 00C6C6

 74FFFF

 00AAAB

 96FFFF

 008F90

 B6FFFF

 007577

 D6FFFF

 005B5E

 F6FFFF

 004246

 002C30

 000E1C

 000000

■ 12E2E2

■ 12E2E2

■ 00E2E2

■ 29E2E2

■ 3FE2E2

■ 56E2E2

■ 6CE2E2

■ 83E2E2

■ 9AE2E2

■ B0E2E2

■ C7E2E2

■ DDE2E2

# Harmonies

## Analogous

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



68E1B6



12E2E2



00DEFF

# Triad

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



12E2E2



EDB8FF



F8C279

# Complementary

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



12E2E2



E21212

# 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.



FFB490



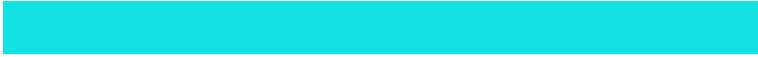
12E2E2



FFACE1

# Square

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



12E2E2



B3C8FF



FFABB6



D0D078

# Rectangle

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



12E2E2



4AD9FF



FFABB6

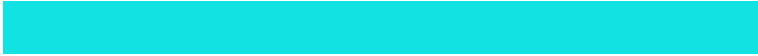


FFBD7E



# Sweetspot

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



12E2E2



B8FFFF



12E212



548080



000000



808080



# Same Dimension

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



12E2E2



00FFFF



127AE2



657070



00B0B0



003030



# Inverse Universe

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



E212E2



FF00FF



E27A12



706570



B000B0

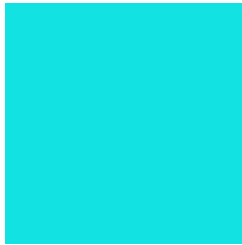


300030



# Previews

## White Background



This preview shows how the Hex color 12E2E2 looks on a white background.

## Color Contrast Check

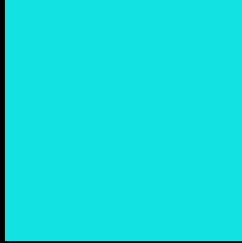
Large Text (above 18pt) WCAG AA × Fail

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 12E2E2 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

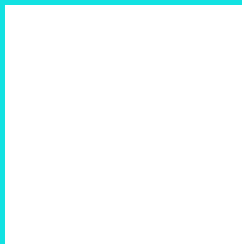
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 12E2E2 Background



This preview shows how black text looks on a background with the Hex color 12E2E2.

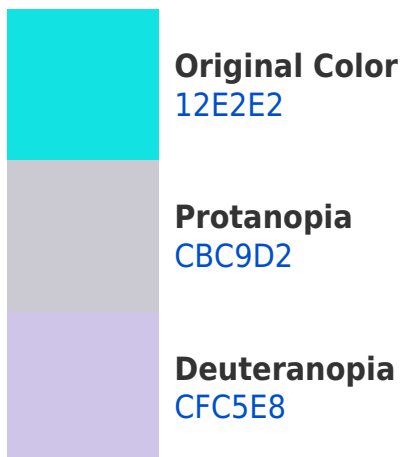


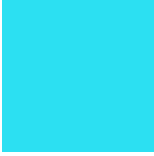
This preview shows how white text looks on a background with the Hex color 12E2E2.

# 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**  
2CE0F2

# Trichromacy



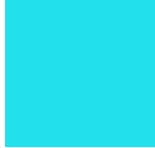
**Original Color**  
12E2E2



**Protanomaly**  
88D2D8

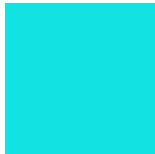


**Deuteranomaly**  
8AD0E6

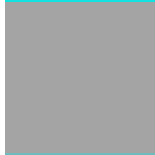


**Tritanomaly**  
23E1EC

# Monochromacy



**Original Color**  
12E2E2



**Achromatopsia**  
A4A4A4



**Achromatomaly**  
6FB BBB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12E2E2 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 #12E2E2 looks like.

```
.text, #text, p{  
    color:#12E2E2  
}
```

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 #12E2E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12E2E2
}
```

## Border

The CSS property to change the border of an element to Hex 12E2E2 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
#12E2E2 }
```

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

```
.border{ border-color:#12E2E2 }
```

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

Here you see how a box with a 4 pixel #12E2E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12E2E2; -webkit-box-shadow:4px 4px  
4px 4px #12E2E2; box-shadow:4px 4px 4px  
4px #12E2E2 }
```

# Background

The CSS property to change the background color of an element to Hex 12E2E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12E2E2 }
```

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

```
.background{ background-color:#12E2E2 }
```

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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