

Converting Colors

Hex(12A7D2)

Have a look what the booklet for
Hex(12A7D2) contains.

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Color

Hex(12A7D2)

Conversions

Conversions Part 1

Format	Color
Hex	12A7D2
RGB	18, 167, 210
RGB Percent	7%, 65%, 82%
CMY	0.9294, 0.3451, 0.1765
CMYK	0.91, 0.20, 0.00, 0.18
HSL	193°, 84%, 45%
HSV	193°, 91%, 82%
XYZ	25.7010, 32.4192, 65.8757
YIQ	127.3510, -102.6070, -18.2150

Conversions

Conversions Part 2

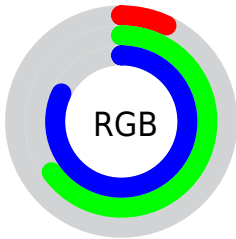
Format	Color
R _{YB}	18, 102, 210
Decimal	1222610
CIE Lab	63.69, -20.16, -31.76
CIE LCh	64, 37.618, 237.601
Yxy	32.4192, 0.2073, 0.2615
Android (android.graphics.Color)	4279412690 (0xFF12A7D2)
YUV	127.3510, 40.7460, -95.9008
Hunter-Lab	56.9378, -19.0685, -28.7406

Details

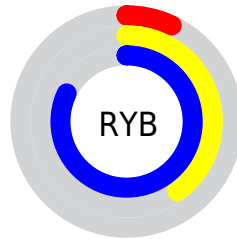
The Hex color **12A7D2** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **D23D12**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **6ADEFF**, and **00739B** is the 20% darker color. If you saturate the color by 10%, you get **00A3D2**, and if you desaturate by 10%, it is **27ACD2**.

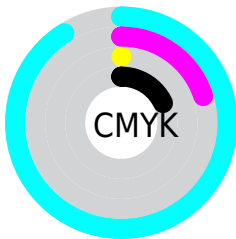
Distribution



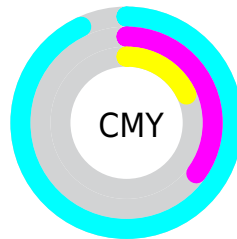
- Red (7%)
- Green (65%)
- Blue (82%)



- Red (7%)
- Yellow (40%)
- Blue (82%)



- Cyan (91%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)



- Cyan (93%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12A7D2 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 12A7D2 by changing the saturation by 10% instead.

 12A7D2

 12A7D2

FFFFFF

 008DB6

 6ADEFF

 00739B

 8AFBFF

 005A81

 A9FFFF

 004368

 C8FFFF

 002C50

 E7FFFF

 001838

 000222

 000009

 000000

■ 12A7D2

■ 12A7D2

■ 00A3D2

■ 27ACD2

■ 3CB0D2

■ 51B5D2

■ 66BAD2

■ 7BBFD2

■ 90C3D2

■ A5C8D2

■ BACDD2

■ CFD1D2

Harmonies

Analogous

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



00ABB8



12A7D2



629EDD

Triad

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



12A7D2



D7809E



90A25D

Complementary

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



12A7D2



D23D12

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.



B29757



12A7D2



DA827D

Square

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



12A7D2



C287BF



CC8C63



68A875

Rectangle

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



12A7D2



8997DA



CC8C63



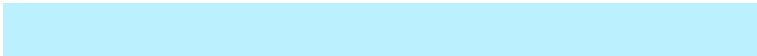
9C9E59

Sweetspot

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



12A7D2



BAF0FF



12D23C



577680



000000



808080

Same Dimension

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



12A7D2



00C6FF



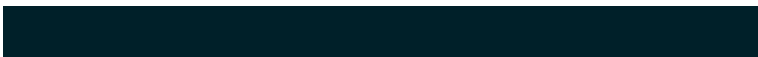
1248D2



5E6669



0083A8



002029

Inverse Universe

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



D212A7



FF00C6



D29C12



695E66



A80083



290020

Previews

White Background



This preview shows how the Hex color 12A7D2 looks on a white background.

Color Contrast Check

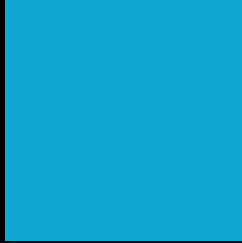
Large Text (above 18pt) WCAG AA × Fail

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 12A7D2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

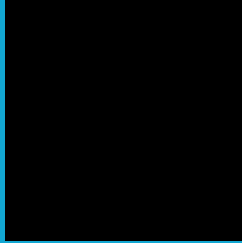
Any Text WCAG AA ✓ Pass

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 12A7D2 Background



This preview shows how black text looks on a background with the Hex color 12A7D2.

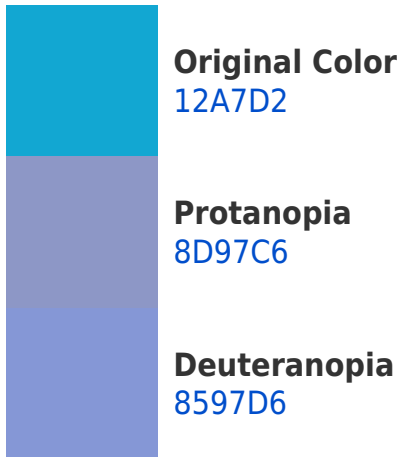


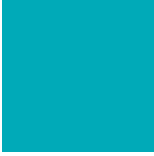
This preview shows how white text looks on a background with the Hex color 12A7D2.

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
00AAB8

Trichromacy



Original Color
12A7D2



Protanomaly
609DCA



Deuteranomaly
5B9DD5



Tritanomaly
07A9C1

Monochromacy



Original Color
12A7D2



Achromatopsia
7F7F7F



Achromatomaly
578E9D

CSS Examples

Text

The CSS property to change the color of the text to Hex 12A7D2 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 #12A7D2 looks like.

```
.text, #text, p{  
    color:#12A7D2  
}
```

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 #12A7D2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12A7D2
}
```

Border

The CSS property to change the border of an element to Hex 12A7D2 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
#12A7D2 }
```

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

```
.border{ border-color:#12A7D2 }
```

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

Here you see how a box with a 4 pixel #12A7D2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12A7D2; -webkit-box-shadow:4px 4px  
4px 4px #12A7D2; box-shadow:4px 4px 4px  
4px #12A7D2 }
```

Background

The CSS property to change the background color of an element to Hex 12A7D2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12A7D2 }
```

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

```
.background{ background-color:#12A7D2 }
```

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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