

Converting Colors

Hex(12A8E2)

Have a look what the booklet for
Hex(12A8E2) contains.

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Color

Hex(12A8E2)

Conversions

Conversions Part 1

Format	Color
Hex	12A8E2
RGB	18, 168, 226
RGB Percent	7%, 66%, 89%
CMY	0.9294, 0.3412, 0.1137
CMYK	0.92, 0.26, 0.00, 0.11
HSL	197°, 85%, 48%
HSV	197°, 92%, 89%
XYZ	27.9796, 33.6248, 76.9671
YIQ	129.7620, -108.0180, -13.7620

Conversions

Conversions Part 2

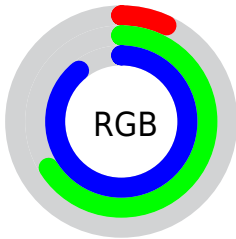
Format	Color
R _Y B	18, 105, 226
Decimal	1222882
CIE Lab	64.66, -15.08, -39.09
CIE LCh	65, 41.892, 248.906
Yxy	33.6248, 0.2019, 0.2427
Android (android.graphics.Color)	4279412962 (0xFF12A8E2)
YUV	129.7620, 47.4453, -98.0153
Hunter-Lab	57.9869, -15.3483, -38.1058

Details

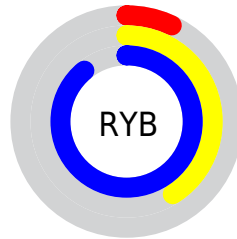
The Hex color **12A8E2** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **E24C12**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **6DDFFF**, and **0074AA** is the 20% darker color. If you saturate the color by 10%, you get **00A3E2**, and if you desaturate by 10%, it is **29AEE2**.

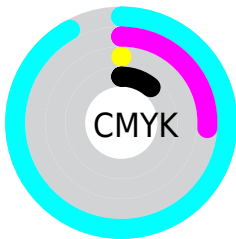
Distribution



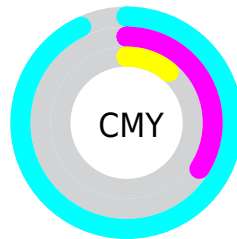
- Red (7%)
- Green (66%)
- Blue (89%)



- Red (7%)
- Yellow (41%)
- Blue (89%)



- Cyan (92%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (93%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12A8E2 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 12A8E2 by changing the saturation by 10% instead.

 12A8E2

 12A8E2

FFFFFF

 008EC6

 6DDFFF

 0074AA

 8EFCFF

 005B90

 ADFFFF

 004476

 CCFFFF

 002E5D

 ECFFFF

 001B45

 00042E

 000118

 000000

■ 12A8E2

■ 12A8E2

■ 00A3E2

■ 29AEE2

■ 3FB5E2

■ 56BBE2

■ 6CC1E2

■ 83C8E2

■ 9ACEE2

■ B0D4E2

■ C7DAE2

■ DDE1E2

Harmonies

Analogous

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



00AECB



12A8E2



759DE7

Triad

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



12A8E2



E47E93



81A861

Complementary

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



12A8E2



E24C12

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.



A99E51



12A8E2



DF8570

Square

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



12A8E2



D483B9



CA9157



4FAE81

Rectangle

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



12A8E2



9E94DE



CA9157



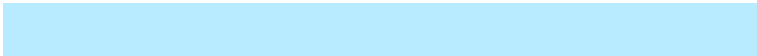
8FA559

Sweetspot

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



12A8E2



B8EBFF



12E249



547380



000000



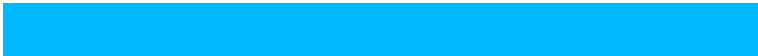
808080

Same Dimension

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



12A8E2



00B8FF



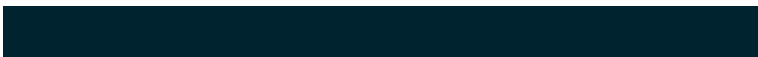
1243E2



656D70



007FB0



002330

Inverse Universe

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



E212A8



FF00B8



E2B112



70656D



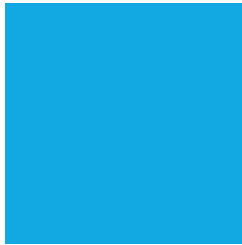
B0007F



300023

Previews

White Background



This preview shows how the Hex color 12A8E2 looks on a white background.

Color Contrast Check

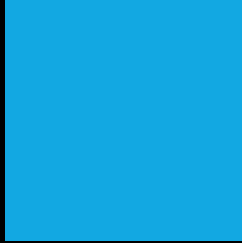
Large Text (above 18pt) WCAG AA × Fail

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 12A8E2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

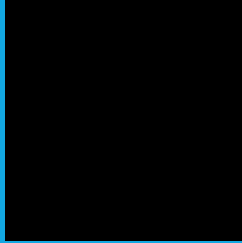
Any Text WCAG AA ✓ Pass

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 12A8E2 Background



This preview shows how black text looks on a background with the Hex color 12A8E2.

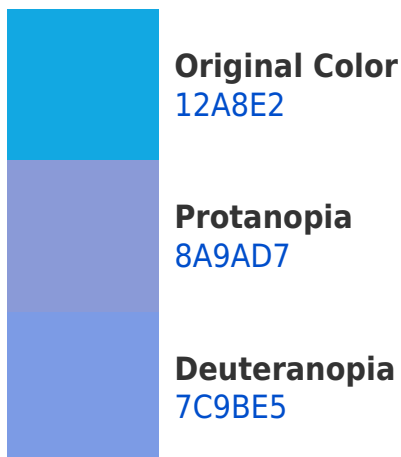


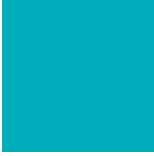
This preview shows how white text looks on a background with the Hex color 12A8E2.

Color Blindness Simulation

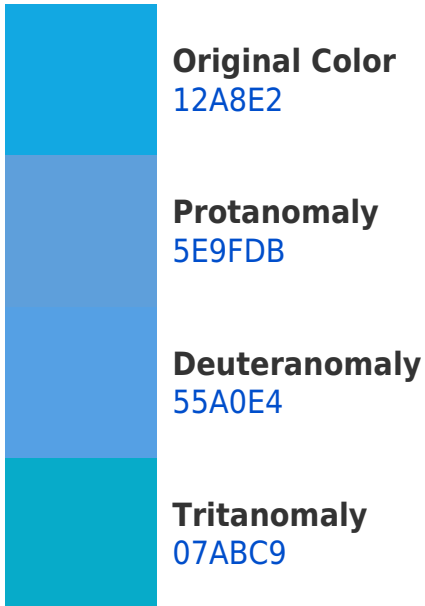
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

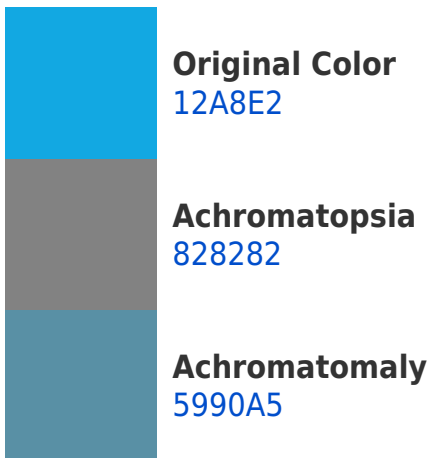




Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 12A8E2 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 #12A8E2 looks like.

```
.text, #text, p{  
    color:#12A8E2  
}
```

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 #12A8E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12A8E2
}
```

Border

The CSS property to change the border of an element to Hex 12A8E2 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
#12A8E2 }
```

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

```
.border{ border-color:#12A8E2 }
```

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

Here you see how a box with a 4 pixel #12A8E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12A8E2; -webkit-box-shadow:4px 4px  
4px 4px #12A8E2; box-shadow:4px 4px 4px  
4px #12A8E2 }
```

Background

The CSS property to change the background color of an element to Hex 12A8E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12A8E2 }
```

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

```
.background{ background-color:#12A8E2 }
```

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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