

Converting Colors

Hex(21AAE3)

Have a look what the booklet for
Hex(21AAE3) contains.

Hex(21AAE3)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(21AAE3)

Conversions

Conversions Part 1

Format	Color
Hex	21AAE3
RGB	33, 170, 227
RGB Percent	13%, 67%, 89%
CMY	0.8706, 0.3333, 0.1098
CMYK	0.85, 0.25, 0.00, 0.11
HSL	198°, 78%, 51%
HSV	198°, 85%, 89%
XYZ	28.8671, 34.6188, 77.8337
YIQ	135.5350, -99.9490, -11.3170

Conversions

Conversions Part 2

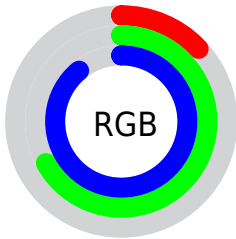
Format	Color
R _Y B	33, 113, 227
Decimal	2206435
CIE Lab	65.45, -14.99, -38.39
CIE LCh	65, 41.217, 248.674
Yxy	34.6188, 0.2043, 0.2450
Android (android.graphics.Color)	4280396515 (0xFF21AAE3)
YUV	135.5350, 45.0922, -89.9232
Hunter-Lab	58.8378, -15.3902, -37.2455

Details

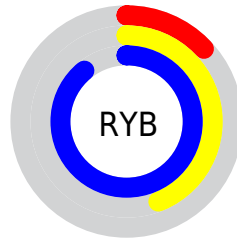
The Hex color **21AAE3** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **E35A21**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **72E1FF**, and **0076AB** is the 20% darker color. If you saturate the color by 10%, you get **0AA3E3**, and if you desaturate by 10%, it is **38B1E3**.

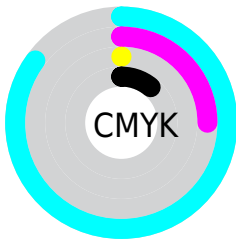
Distribution



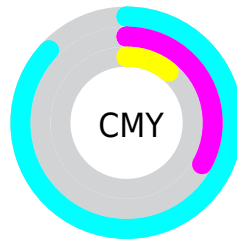
- Red (13%)
- Green (67%)
- Blue (89%)



- Red (13%)
- Yellow (44%)
- Blue (89%)



- Cyan (85%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (87%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Hex color 21AAE3 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 21AAE3 by changing the saturation by 10% instead.

■ 21AAE3

■ 21AAE3

FFFFFF

■ 0090C7

■ 72E1FF

■ 0076AB

■ 92FEFF

■ 005D91

■ B2FFFF

■ 004677

■ D1FFFF

■ 002F5E

■ F0FFFF

■ 001C46

■ 00042F

■ 000119

■ 000000

■ 21AAE3

■ 21AAE3

■ 0AA3E3

■ 38B1E3

■ 00A0E3

■ 4EB7E3

■ 65BEE3

■ 7CC5E3

■ 93CBE3

■ A9D2E3

■ C0D9E3

■ D7DFE3

■ EDE6E3

Harmonies

Analogous

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



00B0CC



21AAE3



789FE8

Triad

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



21AAE3



E58195



84AA64

Complementary

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



21AAE3



E35A21

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.



ACA054



21AAE3



E18773

Square

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



21AAE3



D585BB



CC945A



53B083

Rectangle

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



21AAE3



A096E0



CC945A



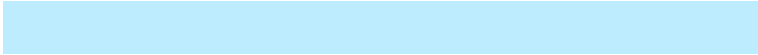
92A75C

Sweetspot

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



21AAE3



BDECFE



21E358



587480



000000



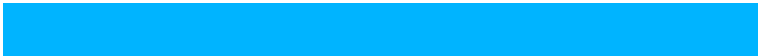
808080

Same Dimension

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



21AAE3



00B4FF



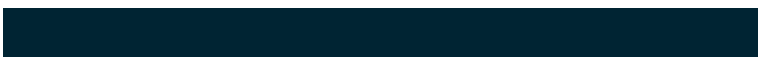
214BE3



676F73



007EB3



002433

Inverse Universe

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



E321AA



FF00B4



E3B921



73676F



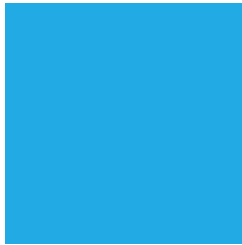
B3007E



330024

Previews

White Background



This preview shows how the Hex color 21AAE3 looks on a white background.

Color Contrast Check

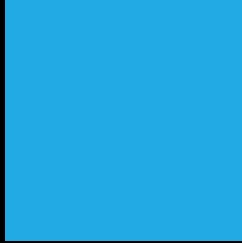
Large Text (above 18pt) WCAG AA × Fail

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 21AAE3 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

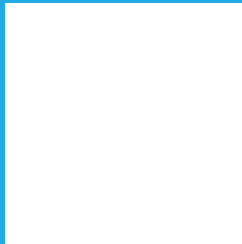
Any Text WCAG AAA ✓ Pass

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

Hex 21AAE3 Background



This preview shows how black text looks on a background with the Hex color 21AAE3.

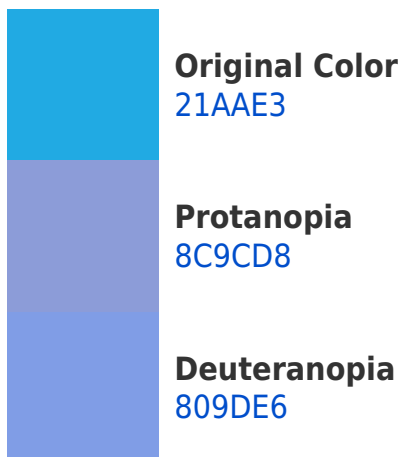


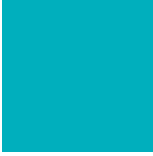
This preview shows how white text looks on a background with the Hex color 21AAE3.

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](#).

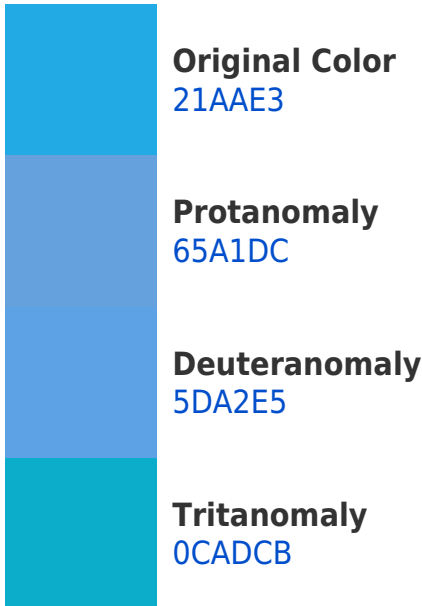
Dichromacy



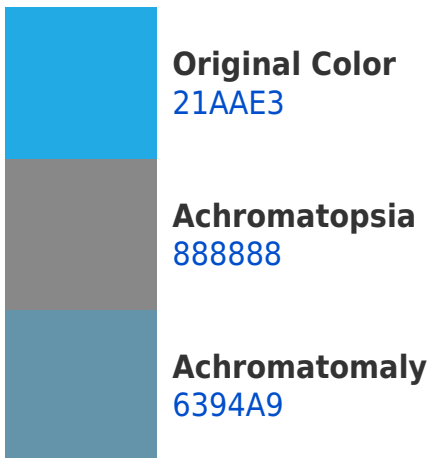


Tritanopia
00AFBD

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 21AAE3 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 #21AAE3 looks like.

```
.text, #text, p{  
    color:#21AAE3  
}
```

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 #21AAE3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21AAE3
}
```

Border

The CSS property to change the border of an element to Hex 21AAE3 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
#21AAE3 }
```

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

```
.border{ border-color:#21AAE3 }
```

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

Here you see how a box with a 4 pixel #21AAE3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21AAE3; -webkit-box-shadow:4px 4px  
4px 4px #21AAE3; box-shadow:4px 4px 4px  
4px #21AAE3 }
```

Background

The CSS property to change the background color of an element to Hex 21AAE3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21AAE3 }
```

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

```
.background{ background-color:#21AAE3 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor