

# Converting Colors

Hex(21A4E2)

Have a look what the booklet for  
Hex(21A4E2) contains.

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# Color

Hex(21A4E2)

# Conversions

## Conversions Part 1

Format	Color
Hex	21A4E2
RGB	33, 164, 226
RGB Percent	13%, 64%, 89%
CMY	0.8706, 0.3569, 0.1137
CMYK	0.85, 0.27, 0.00, 0.11
HSL	199°, 77%, 51%
HSV	199°, 85%, 89%
XYZ	27.6301, 32.3652, 76.7424
YIQ	131.8990, -97.9780, -8.4900

# Conversions

## Conversions Part 2

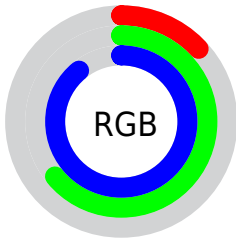
Format	Color
R <sub>Y</sub> B	33, 111, 226
Decimal	2204898
CIE Lab	63.64, -12.07, -40.67
CIE LCh	64, 42.424, 253.470
Yxy	32.3652, 0.2021, 0.2367
Android (android.graphics.Color)	4280394978 (0xFF21A4E2)
YUV	131.8990, 46.3918, -86.7344
Hunter-Lab	56.8905, -12.8658, -40.1559

# Details

The Hex color **21A4E2** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **E25F21**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **72DBFF**, and **0070AA** is the 20% darker color. If you saturate the color by 10%, you get **0A9DE2**, and if you desaturate by 10%, it is **38ABE2**.

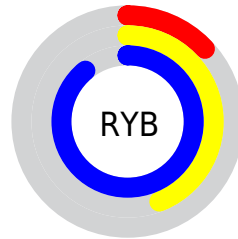
# Distribution



Red (13%)

Green (64%)

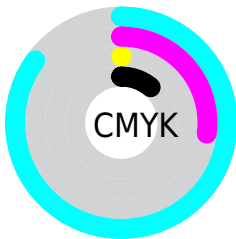
Blue (89%)



Red (13%)

Yellow (44%)

Blue (89%)

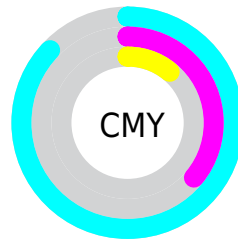


Cyan (85%)

Magenta (27%)

Yellow (0%)

Black (11%)



Cyan (87%)

Magenta (36%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21A4E2 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 21A4E2 by changing the saturation by 10% instead.



■ 21A4E2

■ 21A4E2

FFFFFF

■ 008AC6

■ 72DBFF

■ 0070AA

■ 92F7FF

■ 005890

■ B1FFFF

■ 004176

■ D0FFFF

■ 002B5D

■ EFFFFFF

■ 001845

■ 00042E

■ 000118

■ 000000

■ 21A4E2

■ 21A4E2

■ 0A9DE2

■ 38ABE2

■ 0099E2

■ 4EB3E2

■ 65BAE2

■ 7BC1E2

■ 92C8E2

■ A9D0E2

■ BFD7E2

■ D6DEE2

■ ECE5E2

# Harmonies

## Analogous

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



00ABCD



21A4E2



7C98E3

# Triad

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



21A4E2



E27C8A



77A762

# Complementary

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



21A4E2



E25F21

# 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.



A19D4F



21A4E2



DB8368

# Square

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



21A4E2



D67EB1



C39151



40AC83

# Rectangle

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



21A4E2



A38FD9



C39151



86A459

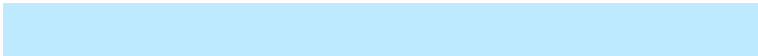


# Sweetspot

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



21A4E2



BDEAFF



21E25E



587380



000000



808080

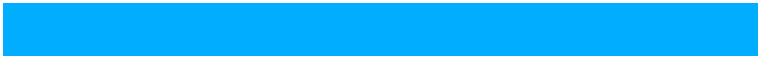


# Same Dimension

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



21A4E2



00ADFF



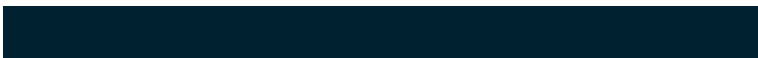
2144E2



656D70



0077B0



002130



# Inverse Universe

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



E221A4



FF00AD



E2BF21



70656D



B00077

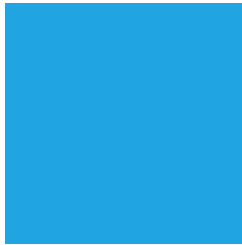


300021



# Previews

## White Background



This preview shows how the Hex color 21A4E2 looks on a white background.

## Color Contrast Check

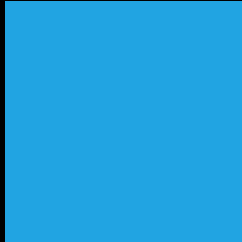
Large Text (above 18pt) WCAG AA × Fail

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 21A4E2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

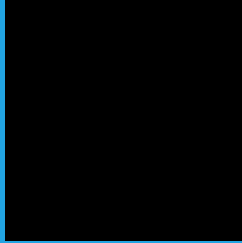
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

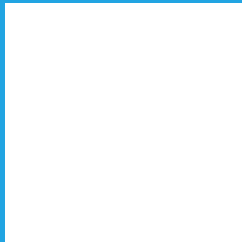
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 21A4E2 Background



This preview shows how black text looks on a background with the Hex color 21A4E2.



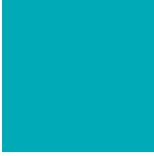
This preview shows how white text looks on a background with the Hex color 21A4E2.

# 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](#).

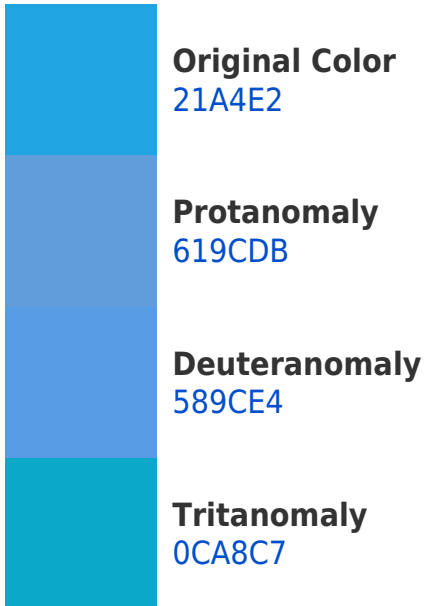
## Dichromacy





**Tritanopia**  
00AAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21A4E2 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 #21A4E2 looks like.

```
.text, #text, p{  
  color:#21A4E2  
}
```

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 #21A4E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21A4E2
}
```

## Border

The CSS property to change the border of an element to Hex 21A4E2 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
#21A4E2 }
```

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

```
.border{ border-color:#21A4E2 }
```

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

Here you see how a box with a 4 pixel #21A4E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21A4E2; -webkit-box-shadow:4px 4px  
4px 4px #21A4E2; box-shadow:4px 4px 4px  
4px #21A4E2 }
```

# Background

The CSS property to change the background color of an element to Hex 21A4E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21A4E2 }
```

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

```
.background{ background-color:#21A4E2 }
```

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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