

Converting Colors

Hex(21B9E3)

Have a look what the booklet for
Hex(21B9E3) contains.

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Color

Hex(21B9E3)

Conversions

Conversions Part 1

Format	Color
Hex	21B9E3
RGB	33, 185, 227
RGB Percent	13%, 73%, 89%
CMY	0.8706, 0.2745, 0.1098
CMYK	0.85, 0.19, 0.00, 0.11
HSL	193°, 78%, 51%
HSV	193°, 85%, 89%
XYZ	31.8413, 40.5673, 78.8251
YIQ	144.3400, -104.0740, -19.1620

Conversions

Conversions Part 2

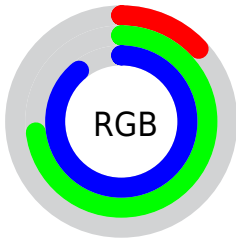
Format	Color
RYB	33, 118, 227
Decimal	2210275
CIELab	69.87, -22.88, -31.53
CIELCh	70, 38.954, 234.035
Yxy	40.5673, 0.2105, 0.2682
Android (android.graphics.Color)	4280400355 (0xFF21B9E3)
YUV	144.3400, 40.7514, -97.6452
Hunter-Lab	63.6925, -22.2257, -28.7919

Details

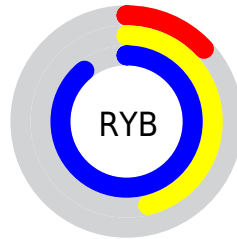
The Hex color **21B9E3** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **E34B21**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **73F1FF**, and **0084AB** is the 20% darker color. If you saturate the color by 10%, you get **0AB4E3**, and if you desaturate by 10%, it is **38BEE3**.

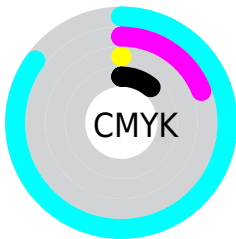
Distribution



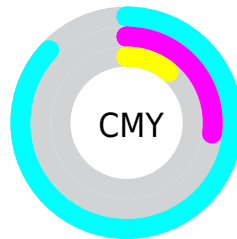
- Red (13%)
- Green (73%)
- Blue (89%)



- Red (13%)
- Yellow (46%)
- Blue (89%)



- Cyan (85%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (87%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Hex color 21B9E3 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 21B9E3 by changing the saturation by 10% instead.

■ 21B9E3

■ 21B9E3

FFFFFF

■ 009EC7

■ 73F1FF

■ 0084AB

■ 94FFFF

■ 006A91

■ B3FFFF

■ 005277

■ D2FFFF

■ 003B5E

■ F2FFFF

■ 002546

■ 000430

■ 00011A

■ 000000

■ 21B9E3

■ 21B9E3

■ 0AB4E3

■ 38BEE3

■ 00B2E3

■ 4EC3E3

■ 65C8E3

■ 7CCDE3

■ 93D2E3

■ A9D6E3

■ C0DBE3

■ D7E0E3

■ EDE5E3

Harmonies

Analogous

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



01BDC6



21B9E3



6AB0F1

Triad

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



21B9E3



EA90B3



A5B169

Complementary

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



21B9E3



E34B21

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.



C8A664



21B9E3



EF9190

Square

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



21B9E3



D198D5



E39A73



7CB980

Rectangle

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



21B9E3



92A9EF



E39A73



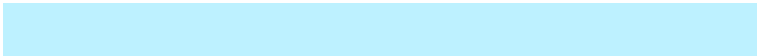
B1AE65

Sweetspot

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



21B9E3



BDF1FF



21E348



587780



000000



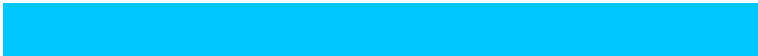
808080

Same Dimension

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



21B9E3



00C8FF



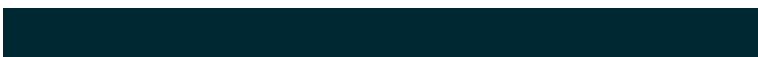
215BE3



677073



008CB3



002833

Inverse Universe

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



E321B9



FF00C8



E3A921



736770



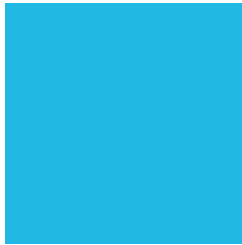
B3008C



330028

Previews

White Background



This preview shows how the Hex color 21B9E3 looks on a white background.

Color Contrast Check

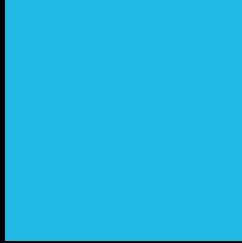
Large Text (above 18pt) WCAG AA × Fail

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 21B9E3 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 21B9E3 Background



This preview shows how black text looks on a background with the Hex color 21B9E3.

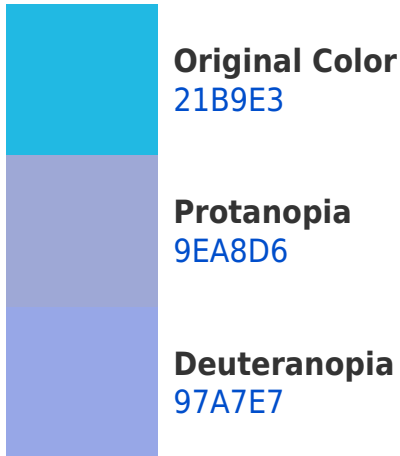


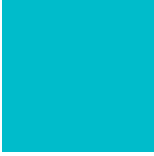
This preview shows how white text looks on a background with the Hex color 21B9E3.

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
00BCCB

Trichromacy



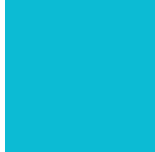
Original Color
21B9E3



Protanomaly
71AEDB



Deuteranomaly
6CAEE6



Tritanomaly
0CBBD4

Monochromacy



Original Color
21B9E3



Achromatopsia
909090



Achromatomaly
689FAE

CSS Examples

Text

The CSS property to change the color of the text to Hex 21B9E3 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 #21B9E3 looks like.

```
.text, #text, p{  
    color:#21B9E3  
}
```

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 #21B9E3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21B9E3
}
```

Border

The CSS property to change the border of an element to Hex 21B9E3 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
#21B9E3 }
```

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

```
.border{ border-color:#21B9E3 }
```

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

Here you see how a box with a 4 pixel #21B9E3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21B9E3; -webkit-box-shadow:4px 4px  
4px 4px #21B9E3; box-shadow:4px 4px 4px  
4px #21B9E3 }
```

Background

The CSS property to change the background color of an element to Hex 21B9E3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21B9E3 }
```

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

```
.background{ background-color:#21B9E3 }
```

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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