

Converting Colors

Hex(33AEC9)

Have a look what the booklet for
Hex(33AEC9) contains.

Hex(33AEC9)	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(33AEC9)

Conversions

Conversions Part 1

Format	Color
Hex	33AEC9
RGB	51, 174, 201
RGB Percent	20%, 68%, 79%
CMY	0.8000, 0.3176, 0.2118
CMYK	0.75, 0.13, 0.00, 0.21
HSL	191°, 60%, 49%
HSV	191°, 75%, 79%
XYZ	27.0439, 35.1930, 60.6259
YIQ	140.3010, -81.9750, -17.6790

Conversions

Conversions Part 2

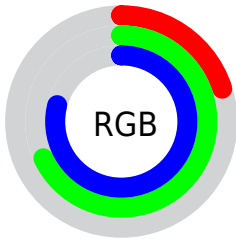
Format	Color
RYB	51, 119, 201
Decimal	3387081
CIELab	65.90, -24.15, -23.33
CIELCh	66, 33.579, 224.014
Yxy	35.1930, 0.2201, 0.2864
Android (android.graphics.Color)	4281577161 (0xFF33AEC9)
YUV	140.3010, 29.9246, -78.3170
Hunter-Lab	59.3237, -22.4435, -19.0649

Details

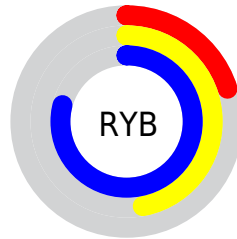
The Hex color **33AEC9** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **C94E33**, and the grayscale version is **8C8C8C**.

A 20% lighter version of the original color is **77E6FF**, and **007993** is the 20% darker color. If you saturate the color by 10%, you get **1FAAC9**, and if you desaturate by 10%, it is **47B2C9**.

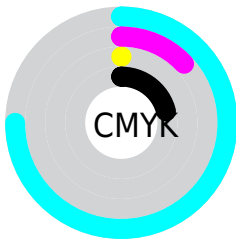
Distribution



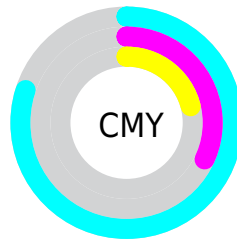
- Red (20%)
- Green (68%)
- Blue (79%)



- Red (20%)
- Yellow (47%)
- Blue (79%)



- Cyan (75%)
- Magenta (13%)
- Yellow (0%)
- Black (21%)



- Cyan (80%)
- Magenta (32%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33AEC9 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 33AEC9 by changing the saturation by 10% instead.

■ 33AEC9

■ 33AEC9

FFFFFF

■ 0093AE

■ 77E6FF

■ 007993

■ 96FFFF

■ 006079

■ B4FFFF

■ 004860

■ D2FFFF

■ 003148

■ F1FFFF

■ 001E32

■ 00021D

■ 000000

■ 33AEC9

■ 33AEC9

■ 1FAAC9

■ 47B2C9

■ 0BA7C9

■ 5BB5C9

■ 00A5C9

■ 6FB9C9

■ 83BCC9

■ 98C0C9

■ ACC4C9

■ C0C7C9

■ D4CBC9

■ E8CFC9

Harmonies

Analogous

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



3BB0AE



33AEC9



5BA8D9

Triad

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



33AEC9



D18BB1



A6A365

Complementary

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



33AEC9



C94E33

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.



C39967



33AEC9



DB8993

Square

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



33AEC9



B693CC



D68F78



85AB74

Rectangle

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



33AEC9



7CA2DC



D68F78



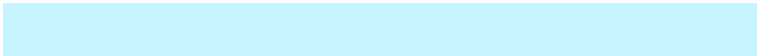
B0A064

Sweetspot

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



33AEC9



C7F5FF



33C94C



5E7A80



000000



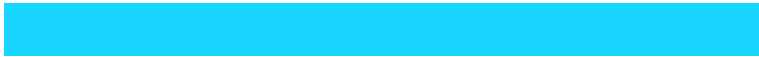
808080

Same Dimension

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



33AEC9



19D6FF



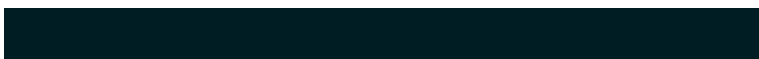
3365C9



5A6263



0086A3



001D24

Inverse Universe

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



C933AE



FF19D6



C99733



635A62



A30086



24001D

Previews

White Background



This preview shows how the Hex color 33AEC9 looks on a white background.

Color Contrast Check

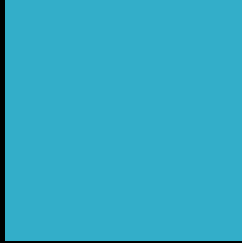
Large Text (above 18pt) WCAG AA × Fail

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 33AEC9 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 33AEC9 Background



This preview shows how black text looks on a background with the Hex color 33AEC9.

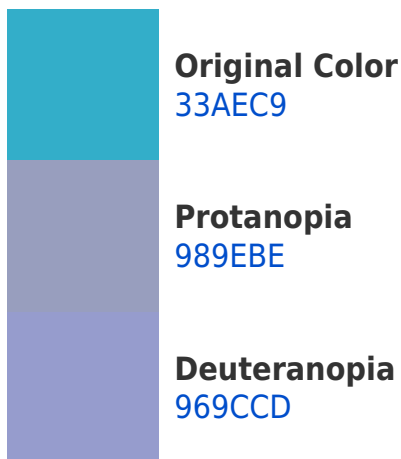


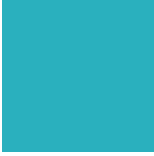
This preview shows how white text looks on a background with the Hex color 33AEC9.

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



Original Color
33AEC9



Protanomaly
73A4C2



Deuteranomaly
72A3CC



Tritanomaly
2DAFC2

Monochromacy



Original Color
33AEC9



Achromatopsia
8C8C8C



Achromatomaly
6C98A2

CSS Examples

Text

The CSS property to change the color of the text to Hex 33AEC9 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 #33AEC9 looks like.

```
.text, #text, p{  
    color:#33AEC9  
}
```

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 #33AEC9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33AEC9
}
```

Border

The CSS property to change the border of an element to Hex 33AEC9 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
#33AEC9 }
```

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

```
.border{ border-color:#33AEC9 }
```

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

Here you see how a box with a 4 pixel #33AEC9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33AEC9; -webkit-box-shadow:4px 4px  
4px 4px #33AEC9; box-shadow:4px 4px 4px  
4px #33AEC9 }
```

Background

The CSS property to change the background color of an element to Hex 33AEC9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33AEC9 }
```

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

```
.background{ background-color:#33AEC9 }
```

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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