

Converting Colors

Hex(31AE72)

Have a look what the booklet for
Hex(31AE72) contains.

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Color

Hex(31AE72)

Conversions

Conversions Part 1

Format	Color
Hex	31AE72
RGB	49, 174, 114
RGB Percent	19%, 68%, 45%
CMY	0.8078, 0.3176, 0.5529
CMYK	0.72, 0.00, 0.34, 0.32
HSL	151°, 56%, 44%
HSV	151°, 72%, 68%
XYZ	19.4399, 32.1400, 21.0986
YIQ	129.7850, -55.2400, -45.1600

Conversions

Conversions Part 2

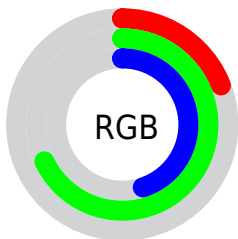
Format	Color
RYB	49, 131, 174
Decimal	3255922
CIELab	63.46, -47.90, 21.26
CIELCh	63, 52.408, 156.063
Yxy	32.1400, 0.2675, 0.4422
Android (android.graphics.Color)	4281446002 (0xFF31AE72)
YUV	129.7850, -7.7820, -70.8484
Hunter-Lab	56.6921, -38.0029, 17.6190

Details

The Hex color **31AE72** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AE316D**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **70E6A6**, and **007841** is the 20% darker color. If you saturate the color by 10%, you get **20AE6A**, and if you desaturate by 10%, it is **42AE7A**.

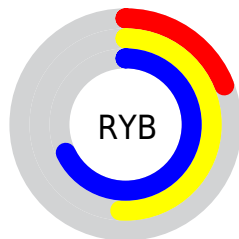
Distribution



Red (19%)

Green (68%)

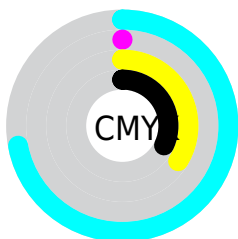
Blue (45%)



Red (19%)

Yellow (51%)

Blue (68%)

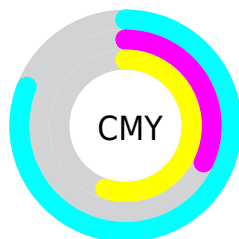


Cyan (72%)

Magenta (0%)

Yellow (34%)

Black (32%)



Cyan (81%)

Magenta (32%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Hex color 31AE72 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 31AE72 by changing the saturation by 10% instead.

 31AE72

 31AE72

FFFFFF

 009359

 70E6A6

 007841

 8DFFC2

 005F2B

 AAFFDE

 004615

 C8FFFA

 002F00

 E5FFFF

 001400

 000000

 31AE72

 31AE72

 20AE6A

 42AE7A

■ 0EAE61

■ 54AE83

■ 00AE5A

■ 65AE8B

■ 77AE93

■ 88AE9C

■ 99AEA4

■ ABAEAC

■ BCAEB5

■ CEAEBD

Harmonies

Analogous

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



7AA74A



31AE72



00B1A2

Triad

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



31AE72



539CF6



EB7965

Complementary

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



31AE72



AE316D

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.



EF7092



31AE72



A989E5

Square

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



31AE72



00A9EE



DA78C0



D28A43

Rectangle

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



31AE72



00B0C1



DA78C0



EF7473

Sweetspot

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



31AE72



B1E3CB



6DAE31



557364



F2F2F2



737373

Same Dimension

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



31AE72



20E385



31ACAE



4E5753



00964E



00170C

Inverse Universe

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



AE316D



E3207D



AE3331



574E52



960048



17000B

Previews

White Background



This preview shows how the Hex color 31AE72 looks on a white background.

Color Contrast Check

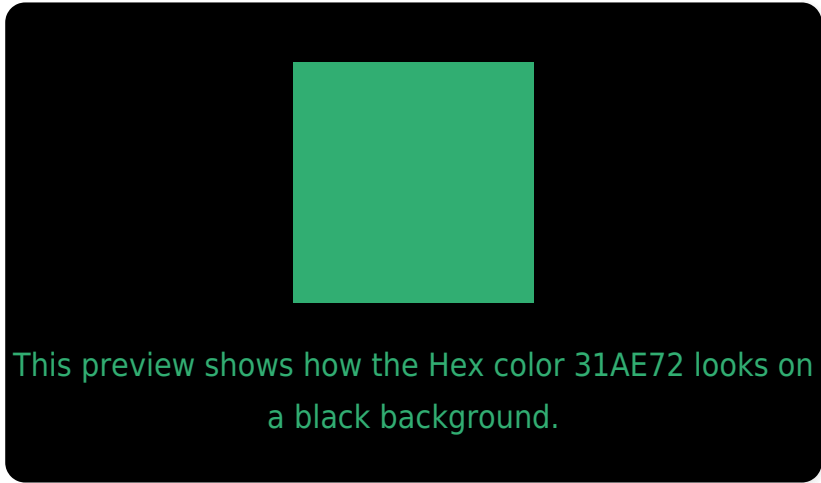
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

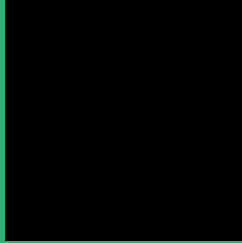
Any Text WCAG AA ✓ Pass

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 31AE72 Background



This preview shows how black text looks on a background with the Hex color 31AE72.



This preview shows how white text looks on a background with the Hex color 31AE72.

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](#).

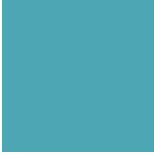
Dichromacy



Original Color
31AE72

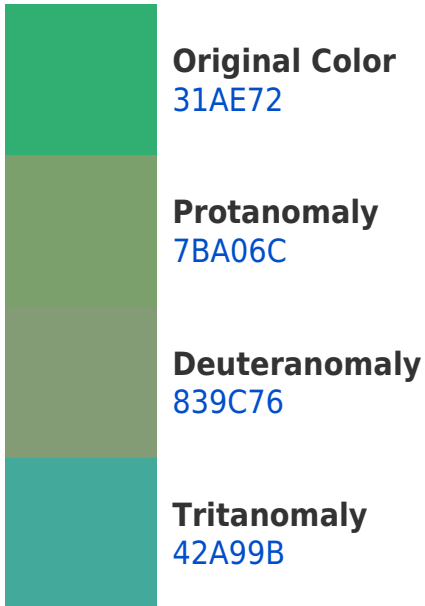
Protanopia
A59869

Deuteranopia
B29278



Tritanopia
4CA6B3

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 31AE72 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 #31AE72 looks like.

```
.text, #text, p{  
    color:#31AE72  
}
```

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 #31AE72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31AE72
}
```

Border

The CSS property to change the border of an element to Hex 31AE72 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
#31AE72 }
```

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

```
.border{ border-color:#31AE72 }
```

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

Here you see how a box with a 4 pixel #31AE72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31AE72; -webkit-box-shadow:4px 4px  
4px 4px #31AE72; box-shadow:4px 4px 4px  
4px #31AE72 }
```

Background

The CSS property to change the background color of an element to Hex 31AE72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31AE72 }
```

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

```
.background{ background-color:#31AE72 }
```

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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