

Converting Colors

Hex(31212A)

Have a look what the booklet for
Hex(31212A) contains.

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Color

Hex(31212A)

Conversions

Conversions Part 1

Format	Color
Hex	31212A
RGB	49, 33, 42
RGB Percent	19%, 13%, 16%
CMY	0.8078, 0.8706, 0.8353
CMYK	0.00, 0.33, 0.14, 0.81
HSL	326°, 20%, 16%
HSV	326°, 33%, 19%
XYZ	2.2284, 1.9078, 2.4413
YIQ	38.8100, 6.6470, 6.1910

Conversions

Conversions Part 2

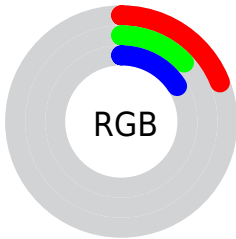
Format	Color
R_YB	49, 33, 42
Decimal	3219754
CIE Lab	15.00, 9.50, -2.95
CIE LCh	15, 9.950, 342.725
Yxy	1.9078, 0.3388, 0.2901
Android (android.graphics.Color)	4281409834 (0xFF31212A)
YUV	38.8100, 1.5727, 8.9366
Hunter-Lab	13.8125, 4.6259, -0.8105

Details

The Hex color **31212A** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **213128**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **5F4D57**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **311C28**, and if you desaturate by 10%, it is **31262C**.

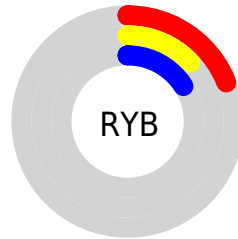
Distribution



Red (19%)

Green (13%)

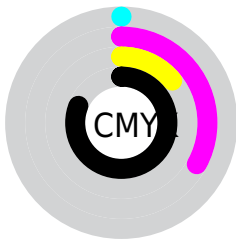
Blue (16%)



Red (19%)

Yellow (13%)

Blue (16%)

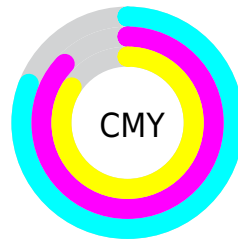


Cyan (0%)

Magenta (33%)

Yellow (14%)

Black (81%)



Cyan (81%)

Magenta (87%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 31212A 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 31212A by changing the saturation by 10% instead.

■ 31212A

■ 31212A

FFFFFF

■ 1D0B16

■ 5F4D57

■ 000000

■ 786570

■ 927E89

■ AD98A3

■ C8B3BE

■ E4CFDA

■ FFEBF7

■ 31212A

■ 31212A

■ 311C28

■ 31262C

■ 311726

■ 312B2E

■ 311224

■ 313030

■ 310D21

■ 313533

■ 31091F

■ 313A35

■ 31041D

■ 313E37

■ 31001C

■ 314339

■ 31483B

■ 314D3D

Harmonies

Analogous

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



2A2330



31212A



342123

Triad

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



31212A



282618



11292F

Complementary

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



31212A



213128

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.



122A28



31212A



20281B

Square

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



31212A



2E2418



182921



172833

Rectangle

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



31212A



33211E



182921



10292D

Sweetspot

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



31212A



40393D



282131



211D1F



A1A1A1



212121

Same Dimension

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



31212A



402735



312122



1A1718



590032



D9007A

Inverse Universe

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



31212A



402735



213130



1A1718



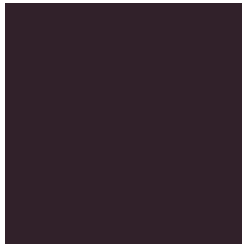
590032



D9007A

Previews

White Background



This preview shows how the Hex color 31212A looks on a white background.

Color Contrast Check

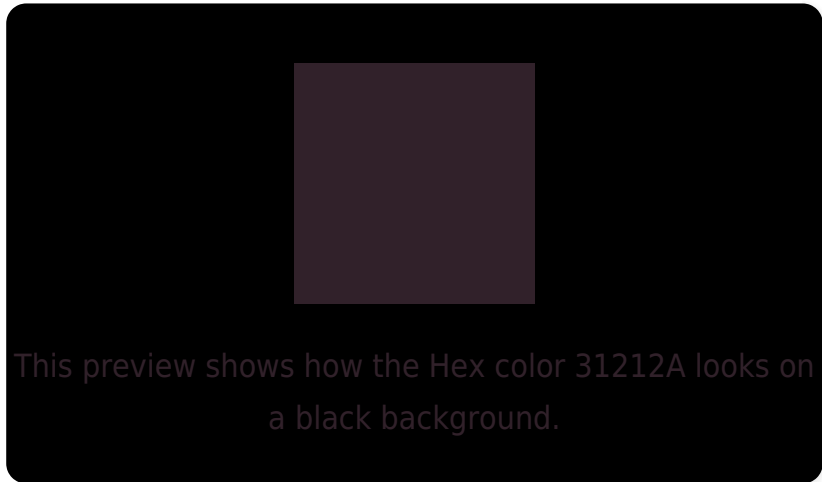
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

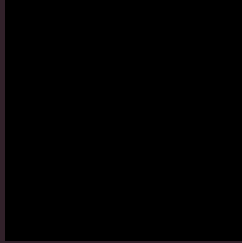
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Hex 31212A Background



This preview shows how black text looks on a background with the Hex color 31212A.



This preview shows how white text looks on a background with the Hex color 31212A.

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
31212A

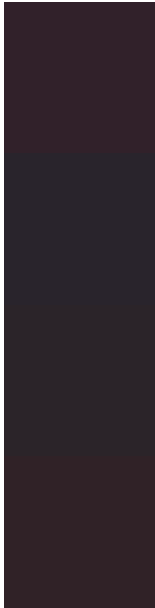
Protanopia
24262D

Deuteranopia
282529



Tritanopia
302225

Trichromacy



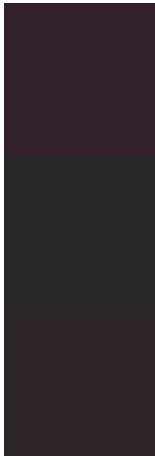
Original Color
31212A

Protanomaly
29242C

Deuteranomaly
2B2429

Tritanomaly
302227

Monochromacy



Original Color
31212A

Achromatopsia
272727

Achromatomaly
2B2528

CSS Examples

Text

The CSS property to change the color of the text to Hex 31212A 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 #31212A looks like.

```
.text, #text, p{  
    color:#31212A  
}
```

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 #31212A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31212A
}
```

Border

The CSS property to change the border of an element to Hex 31212A is called "border". The border property can be set on classes, ids or directly on the HTML element.

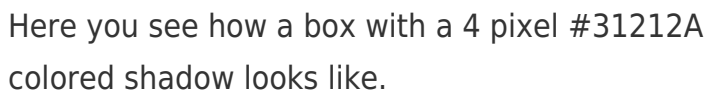
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#31212A }
```

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

```
.border{ border-color:#31212A }
```

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



Here you see how a box with a 4 pixel `#31212A` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31212A; -webkit-box-shadow:4px 4px  
4px 4px #31212A; box-shadow:4px 4px 4px  
4px #31212A }
```

Background

The CSS property to change the background color of an element to Hex 31212A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31212A }
```

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

```
.background{ background-color:#31212A }
```

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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