

Converting Colors

Hex(212837)

Have a look what the booklet for
Hex(212837) contains.

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Color

Hex(212837)

Conversions

Conversions Part 1

Format	Color
Hex	212837
RGB	33, 40, 55
RGB Percent	13%, 16%, 22%
CMY	0.8706, 0.8431, 0.7843
CMYK	0.40, 0.27, 0.00, 0.78
HSL	221°, 25%, 17%
HSV	221°, 40%, 22%
XYZ	2.0756, 2.1168, 3.9136
YIQ	39.6170, -8.9870, 3.1810

Conversions

Conversions Part 2

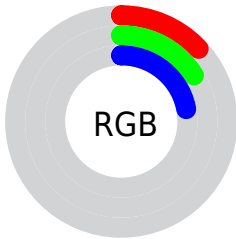
Format	Color
R_{YB}	33, 38, 55
Decimal	2172983
CIE _{Lab}	16.09, 1.44, -10.68
CIE _{LCh}	16, 10.776, 277.700
Yxy	2.1168, 0.2561, 0.2611
Android (android.graphics.Color)	4280363063 (0xFF212837)
YUV	39.6170, 7.5838, -5.8031
Hunter-Lab	14.5491, 0.0041, -5.7643

Details

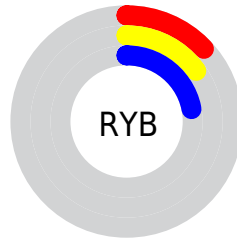
The Hex color **212837** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **373021**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **4E5566**, and **00000A** is the 20% darker color. If you saturate the color by 10%, you get **1C2437**, and if you desaturate by 10%, it is **272C37**.

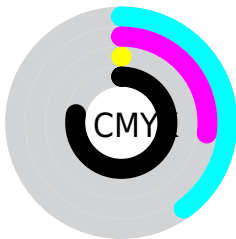
Distribution



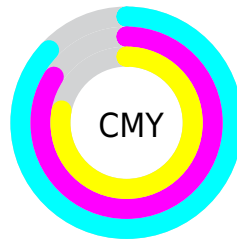
- Red (13%)
- Green (16%)
- Blue (22%)



- Red (13%)
- Yellow (15%)
- Blue (22%)



- Cyan (40%)
- Magenta (27%)
- Yellow (0%)
- Black (78%)



- Cyan (87%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 212837 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 212837 by changing the saturation by 10% instead.

■ 212837

■ 212837

FFFFFF

■ 0C1322

■ 4E5566

■ 00000A

■ 666D7F

■ 000000

■ 7F8699

■ 9AA1B4

■ B4BCCF

■ D0D7EB

■ ECF4FF

■ 212837

■ 212837

■ 1C2437

■ 272C37

■ 162037

■ 2C2F37

■ 111D37

■ 323337

■ 0B1937

■ 373737

■ 051537

■ 3D3B37

■ 001137

■ 423F37

■ 484237

■ 4D4637

■ 534A37

Harmonies

Analogous

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



162A36



212837



2C2534

Triad

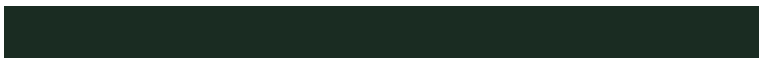
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



212837



37231F



1A2C22

Complementary

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



212837



373021

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.



232A1C



212837



32261A

Square

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



212837



372226



2B2819



132C2A

Rectangle

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



212837



312430



2B2819



1D2B20

Sweetspot

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



212837



3F4247



213730



1F2024



A3A3A3



242424

Same Dimension

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



212837



253047



252137



191A1C



001D5C



0046DB

Inverse Universe

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



372128



472530



333721



1C191A



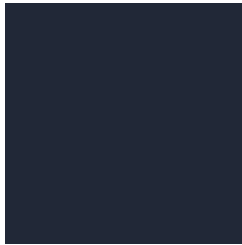
5C001D



DB0046

Previews

White Background



This preview shows how the Hex color 212837 looks on a white background.

Color Contrast Check

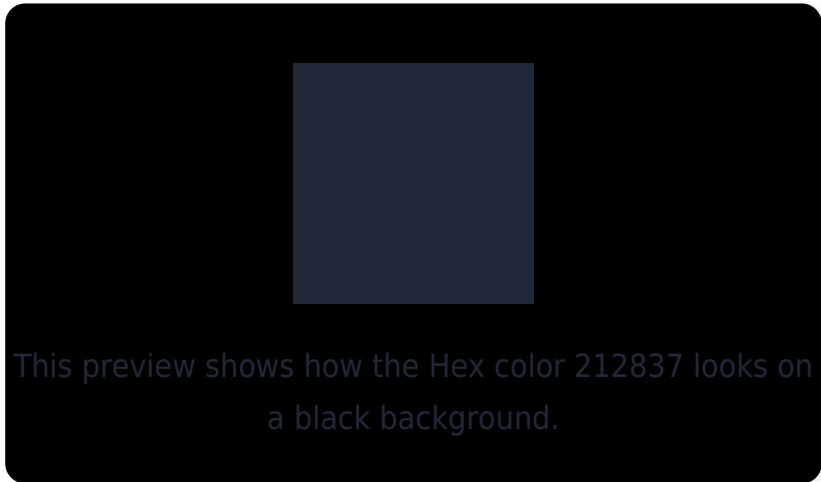
Large Text (above 18pt) WCAG AA ✓ Pass

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

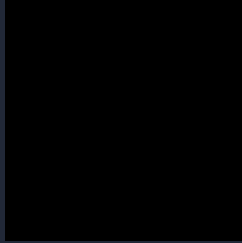
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

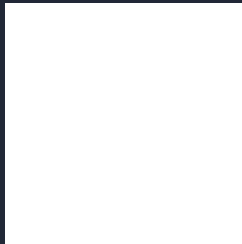
Any Text WCAG AAA × Fail

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

Hex 212837 Background



This preview shows how black text looks on a background with the Hex color 212837.



This preview shows how white text looks on a background with the Hex color 212837.

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
212837

Protanopia
242737

Deuteranopia
232737



Tritanopia
1E2A2D

Trichromacy



Original Color
212837

Protanomaly
232737

Deuteranomaly
222737

Tritanomaly
1F2931

Monochromacy



Original Color
212837

Achromatopsia
282828

Achromatomaly
25282D

CSS Examples

Text

The CSS property to change the color of the text to Hex 212837 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 #212837 looks like.

```
.text, #text, p{  
    color:#212837  
}
```

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 #212837 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212837
}
```

Border

The CSS property to change the border of an element to Hex 212837 is called "border". The border property can be set on classes, ids or directly on the HTML element.

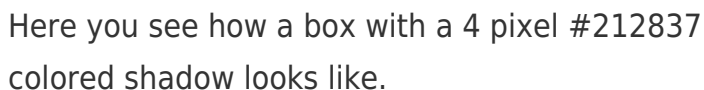
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#212837 }
```

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

```
.border{ border-color:#212837 }
```

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



Here you see how a box with a 4 pixel #212837 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212837; -webkit-box-shadow:4px 4px  
4px 4px #212837; box-shadow:4px 4px 4px  
4px #212837 }
```

Background

The CSS property to change the background color of an element to Hex 212837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212837 }
```

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

```
.background{ background-color:#212837 }
```

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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