

Converting Colors

Hex(222B31)

Have a look what the booklet for
Hex(222B31) contains.

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Color

Hex(222B31)

Conversions

Conversions Part 1

Format	Color
Hex	222B31
RGB	34, 43, 49
RGB Percent	13%, 17%, 19%
CMY	0.8667, 0.8314, 0.8078
CMYK	0.31, 0.12, 0.00, 0.81
HSL	204°, 18%, 16%
HSV	204°, 31%, 19%
XYZ	2.0779, 2.2896, 3.2381
YIQ	40.9930, -7.2900, -0.0420

Conversions

Conversions Part 2

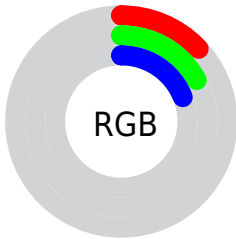
Format	Color
RYB	34, 40, 49
Decimal	2239281
CIELab	16.94, -2.17, -5.17
CIELCh	17, 5.610, 247.248
Yxy	2.2896, 0.2732, 0.3010
Android (android.graphics.Color)	4280429361 (0xFF222B31)
YUV	40.9930, 3.9475, -6.1329
Hunter-Lab	15.1314, -1.9671, -2.0962

Details

The Hex color **222B31** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **312822**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **4F585F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1D2931**, and if you desaturate by 10%, it is **272D31**.

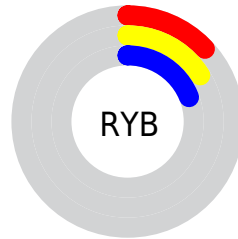
Distribution



Red (13%)

Green (17%)

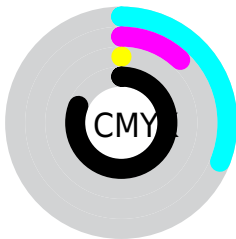
Blue (19%)



Red (13%)

Yellow (16%)

Blue (19%)

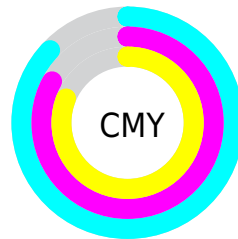


Cyan (31%)

Magenta (12%)

Yellow (0%)

Black (81%)



Cyan (87%)

Magenta (83%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 222B31 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 222B31 by changing the saturation by 10% instead.

■ 222B31

■ 222B31

FFFFFF

■ 0D171C

■ 4F585F

■ 000000

■ 677178

■ 808A91

■ 9AA4AC

■ B5C0C7

■ D0DBE3

■ EDF8FF

■ 222B31

■ 222B31

■ 1D2931

■ 272D31

■ 182731

■ 2C2F31

■ 132531

■ 313131

■ 0E2331

■ 363331

■ 0A2131

■ 3B3531

■ 051F31

■ 3F3731

■ 001D31

■ 443931

■ 493B31

■ 4E3D31

Harmonies

Analogous

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



202C2E



222B31



272A32

Triad

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



222B31



322729



272B23

Complementary

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



222B31



312822

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.



2C2A22



222B31



322725

Square

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



222B31



30272D



302822



232C27

Rectangle

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



222B31



2A2931



302822



292B23

Sweetspot

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



222B31



3A3D40



223128



1E2021



A1A1A1



212121

Same Dimension

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



222B31



283640



222331



17181A



003659



0082D9

Inverse Universe

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



31222B



402836



313022



1A1718



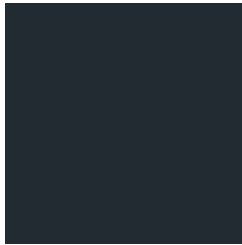
590036



D90082

Previews

White Background



This preview shows how the Hex color 222B31 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

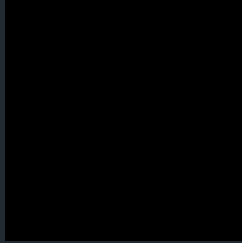
Any Text WCAG AA × Fail

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 222B31 Background



This preview shows how black text looks on a background with the Hex color 222B31.



This preview shows how white text looks on a background with the Hex color 222B31.

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
222B31

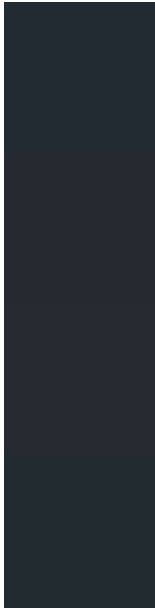
Protanopia
292930

Deuteranopia
2A2931



Tritanopia
222B2F

Trichromacy



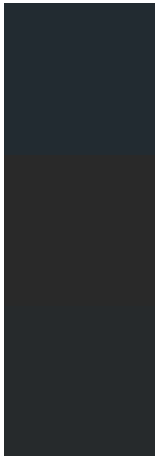
Original Color
222B31

Protanomaly
262A30

Deuteranomaly
272A31

Tritanomaly
222B30

Monochromacy



Original Color
222B31

Achromatopsia
292929

Achromatomaly
262A2C

CSS Examples

Text

The CSS property to change the color of the text to Hex 222B31 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 #222B31 looks like.

```
.text, #text, p{  
    color:#222B31  
}
```

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 #222B31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #222B31
}
```

Border

The CSS property to change the border of an element to Hex 222B31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

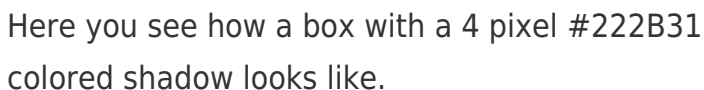
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#222B31 }
```

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

```
.border{ border-color:#222B31 }
```

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



Here you see how a box with a 4 pixel #222B31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #222B31; -webkit-box-shadow:4px 4px  
4px 4px #222B31; box-shadow:4px 4px 4px  
4px #222B31 }
```

Background

The CSS property to change the background color of an element to Hex 222B31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#222B31 }
```

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

```
.background{ background-color:#222B31 }
```

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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