

Converting Colors

Hex(2B3133)

Have a look what the booklet for
Hex(2B3133) contains.

Hex(2B3133)	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(2B3133)

Conversions

Conversions Part 1

Format	Color
Hex	2B3133
RGB	43, 49, 51
RGB Percent	17%, 19%, 20%
CMY	0.8314, 0.8078, 0.8000
CMYK	0.16, 0.04, 0.00, 0.80
HSL	195°, 9%, 18%
HSV	195°, 16%, 20%
XYZ	2.6921, 2.9492, 3.5593
YIQ	47.4340, -4.2180, -0.6500

Conversions

Conversions Part 2

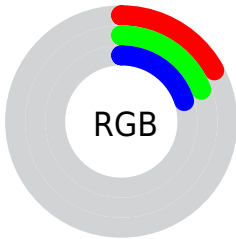
Format	Color
RYB	43, 46, 51
Decimal	2830643
CIELab	19.84, -2.07, -2.16
CIELCh	20, 2.988, 226.212
Yxy	2.9492, 0.2926, 0.3205
Android (android.graphics.Color)	4281020723 (0xFF2B3133)
YUV	47.4340, 1.7580, -3.8886
Hunter-Lab	17.1733, -2.0714, -0.2671

Details

The Hex color **2B3133** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **332D2B**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **585F61**, and **000005** is the 20% darker color. If you saturate the color by 10%, you get **263033**, and if you desaturate by 10%, it is **303233**.

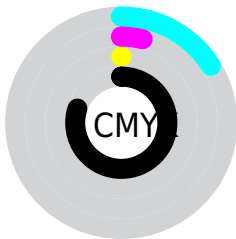
Distribution



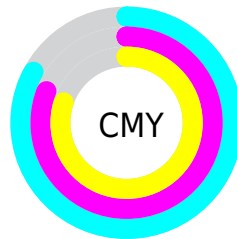
- Red (17%)
- Green (19%)
- Blue (20%)



- Red (17%)
- Yellow (18%)
- Blue (20%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (80%)



- Cyan (83%)
- Magenta (81%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2B3133 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 2B3133 by changing the saturation by 10% instead.

■ 2B3133

■ 2B3133

FFFFFF

■ 161C1E

■ 585F61

■ 000005

■ 71787A

■ 000000

■ 8A9194

■ A5ACAE

■ C0C7CA

■ DCE3E6

■ F8FFFF

■ 2B3133

■ 2B3133

■ 263033

■ 303233

■ 212E33

■ 353433

■ 1C2D33

■ 3A3533

■ 172C33

■ 3F3633

■ 122B33

■ 453733

■ 0C2933

■ 4A3933

■ 072833

■ 4F3A33

■ 022733

■ 543B33

■ 002633

■ 593C33

Harmonies

Analogous

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



2B3131



2B3133



2D3034

Triad

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



2B3133



342F31



31302C

Complementary

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



2B3133



332D2B

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.



332F2C



2B3133



352F2F

Square

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



2B3133



322F33



342F2D



2E312D

Rectangle

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



2B3133



2E3034



342F2D



31302C

Sweetspot

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



2B3133



3F4142



2B332D



1F2121



A1A1A1



212121

Same Dimension

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



2B3133



363F42



2B2D33



17191A



004359



00A3D9

Inverse Universe

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



332B31



42363F



33312B



1A1719



590043



D900A3

Previews

White Background



This preview shows how the Hex color 2B3133 looks on a white background.

Color Contrast Check

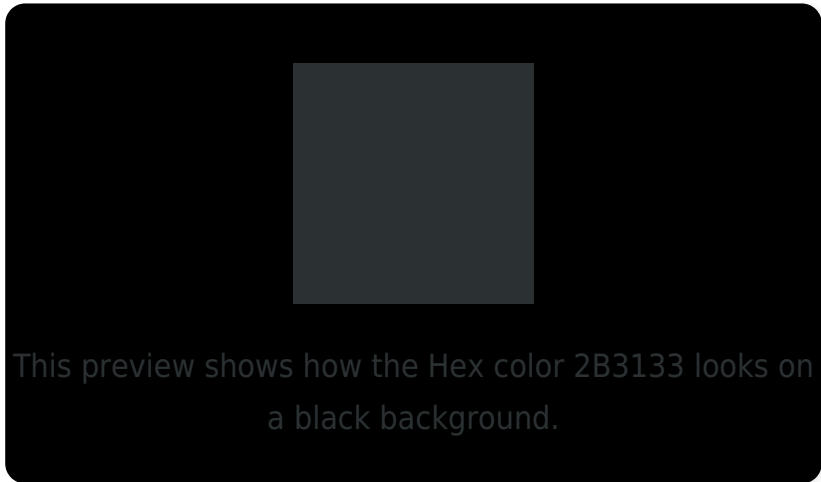
Large Text (above 18pt) WCAG AA ✓ Pass

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

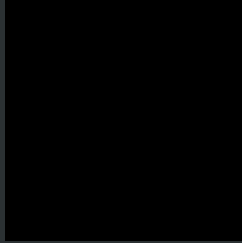
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

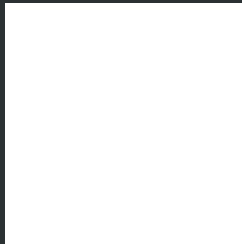
Any Text WCAG AAA × Fail

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

Hex 2B3133 Background



This preview shows how black text looks on a background with the Hex color 2B3133.

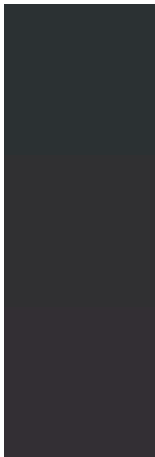


This preview shows how white text looks on a background with the Hex color 2B3133.

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](#).

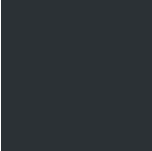
Dichromacy



Original Color
2B3133

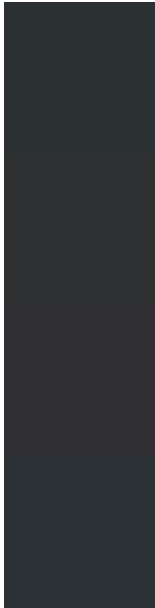
Protanopia
303032

Deuteranopia
332F34



Tritanopia
2B3135

Trichromacy



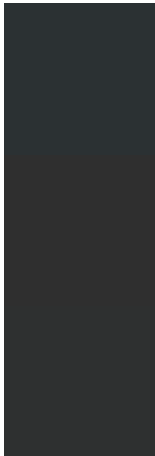
Original Color
2B3133

Protanomaly
2E3032

Deuteranomaly
303034

Tritanomaly
2B3134

Monochromacy



Original Color
2B3133

Achromatopsia
2F2F2F

Achromatomaly
2E3030

CSS Examples

Text

The CSS property to change the color of the text to Hex 2B3133 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 #2B3133 looks like.

```
.text, #text, p{  
    color:#2B3133  
}
```

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 #2B3133 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B3133
}
```

Border

The CSS property to change the border of an element to Hex 2B3133 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
#2B3133 }
```

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

```
.border{ border-color:#2B3133 }
```

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

Here you see how a box with a 4 pixel #2B3133 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B3133; -webkit-box-shadow:4px 4px  
4px 4px #2B3133; box-shadow:4px 4px 4px  
4px #2B3133 }
```

Background

The CSS property to change the background color of an element to Hex 2B3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B3133 }
```

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

```
.background{ background-color:#2B3133 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor