

Converting Colors

Hex(2D3533)

Have a look what the booklet for
Hex(2D3533) contains.

Hex(2D3533)	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(2D3533)

Conversions

Conversions Part 1

Format	Color
Hex	2D3533
RGB	45, 53, 51
RGB Percent	18%, 21%, 20%
CMY	0.8235, 0.7922, 0.8000
CMYK	0.15, 0.00, 0.04, 0.79
HSL	165°, 8%, 19%
HSV	165°, 15%, 21%
XYZ	2.9528, 3.3431, 3.6216
YIQ	50.3800, -4.1260, -2.3180

Conversions

Conversions Part 2

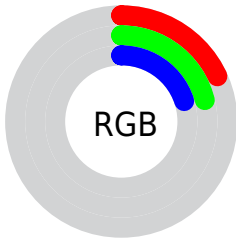
Format	Color
R_{YB}	45, 50, 53
Decimal	2962739
CIE _{Lab}	21.37, -3.89, 0.11
CIE _{LCh}	21, 3.891, 178.394
Yxy	3.3431, 0.2977, 0.3371
Android (android.graphics.Color)	4281152819 (0xFF2D3533)
YUV	50.3800, 0.3057, -4.7183
Hunter-Lab	18.2842, -3.1702, 1.0551

Details

The Hex color **2D3533** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **352D2F**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **5B6461**, and **000805** is the 20% darker color. If you saturate the color by 10%, you get **283532**, and if you desaturate by 10%, it is **323534**.

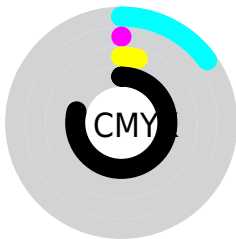
Distribution



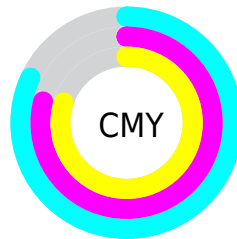
- Red (18%)
- Green (21%)
- Blue (20%)



- Red (18%)
- Yellow (20%)
- Blue (21%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (79%)



- Cyan (82%)
- Magenta (79%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D3533 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 2D3533 by changing the saturation by 10% instead.

■ 2D3533

■ 2D3533

FFFFFF

■ 18201E

■ 5B6461

■ 000805

■ 737C7A

■ 000000

■ 8D9694

■ A7B1AE

■ C2CCCA

■ DEE9E6

■ FBFFFF

■ 2D3533

■ 2D3533

■ 283532

■ 323534

■ 223530

■ 383536

■ 1D352F

■ 3D3537

■ 18352E

■ 423538

■ 12352C

■ 48353A

■ 0D352B

■ 4D353B

■ 08352A

■ 52353C

■ 033528

■ 57353E

■ 003528

■ 5D353F

Harmonies

Analogous

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



2F3530



2D3533



2C3536

Triad

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



2D3533



343338



38322E

Complementary

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



2D3533



352D2F

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.



3A3231



2D3533



373236

Square

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



2D3533



303439



393134



36332E

Rectangle

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



2D3533



2D3537



393134



39322F

Sweetspot

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



2D3533



414544



2F352D



222423



A3A3A3



242424

Same Dimension

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



2D3533



384542



2D3335



171A19



005943



00D9A3

Inverse Universe

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



352D2F



45383C



352F2D



1A1718



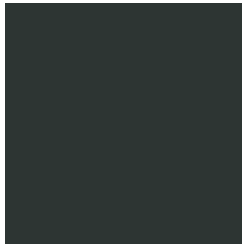
590016



D90036

Previews

White Background



This preview shows how the Hex color 2D3533 looks on a white background.

Color Contrast Check

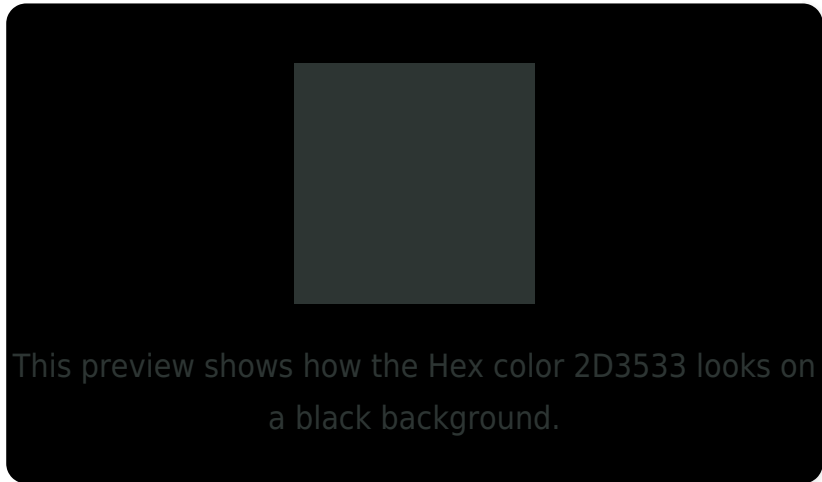
Large Text (above 18pt) WCAG AA ✓ Pass

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

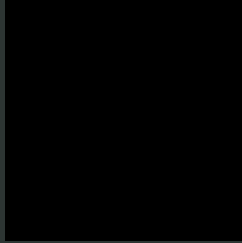
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

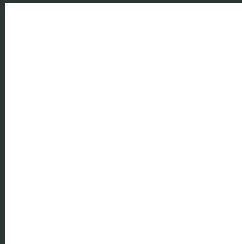
Any Text WCAG AAA × Fail

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

Hex 2D3533 Background



This preview shows how black text looks on a background with the Hex color 2D3533.

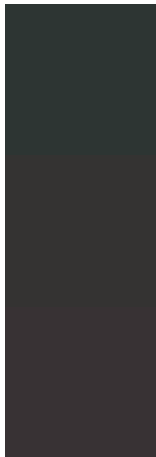


This preview shows how white text looks on a background with the Hex color 2D3533.

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](#).

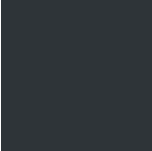
Dichromacy



Original Color
2D3533

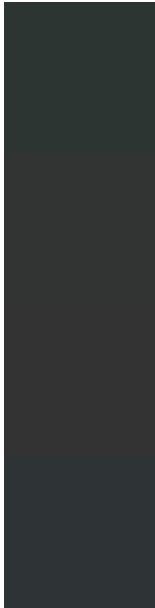
Protanopia
343332

Deuteranopia
383234



Tritanopia
2E3438

Trichromacy



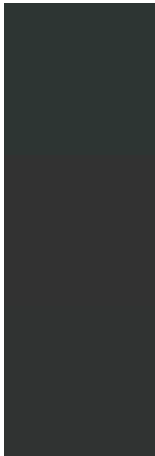
Original Color
2D3533

Protanomaly
313432

Deuteranomaly
343334

Tritanomaly
2E3436

Monochromacy



Original Color
2D3533

Achromatopsia
323232

Achromatomaly
303332

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D3533 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 #2D3533 looks like.

```
.text, #text, p{  
    color:#2D3533  
}
```

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 #2D3533 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D3533
}
```

Border

The CSS property to change the border of an element to Hex 2D3533 is called "border". The border property can be set on classes, ids or directly on the HTML element.

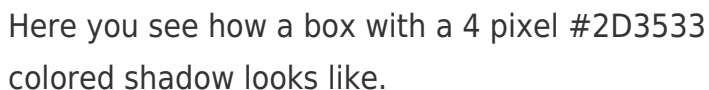
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D3533 }
```

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

```
.border{ border-color:#2D3533 }
```

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



Here you see how a box with a 4 pixel #2D3533 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D3533; -webkit-box-shadow:4px 4px  
4px 4px #2D3533; box-shadow:4px 4px 4px  
4px #2D3533 }
```

Background

The CSS property to change the background color of an element to Hex 2D3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D3533 }
```

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

```
.background{ background-color:#2D3533 }
```

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