

# Converting Colors

Hex(2A3121)

Have a look what the booklet for  
Hex(2A3121) contains.

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# Color

Hex(2A3121)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A3121
RGB	42, 49, 33
RGB Percent	16%, 19%, 13%
CMY	0.8353, 0.8078, 0.8706
CMYK	0.14, 0.00, 0.33, 0.81
HSL	86°, 20%, 16%
HSV	86°, 33%, 19%
XYZ	2.3277, 2.7987, 1.8564
YIQ	45.0830, 0.9640, -6.4600

# Conversions

## Conversions Part 2

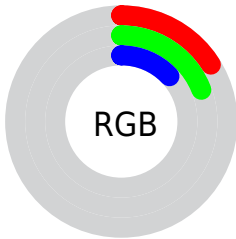
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 49, 40
Decimal	2765089
CIELab	19.22, -6.61, 9.25
CIELCh	19, 11.364, 125.542
Yxy	2.7987, 0.3333, 0.4008
Android (android.graphics.Color)	4280955169 (0xFF2A3121)
YUV	45.0830, -5.9569, -2.7038
Hunter-Lab	16.7292, -4.4400, 5.1313

# Details

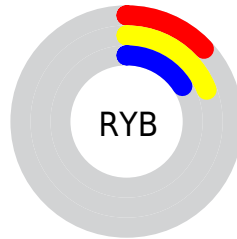
The Hex color **2A3121** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **282131**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **575F4D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **28311C**, and if you desaturate by 10%, it is **2C3126**.

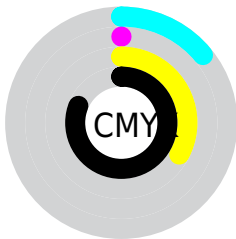
# Distribution



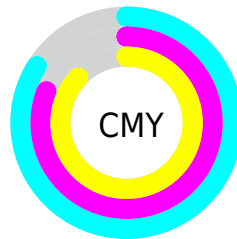
- Red (16%)
- Green (19%)
- Blue (13%)



- Red (13%)
- Yellow (19%)
- Blue (16%)



- Cyan (14%)
- Magenta (0%)
- Yellow (33%)
- Black (81%)



- Cyan (84%)
- Magenta (81%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A3121 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 2A3121 by changing the saturation by 10% instead.



■ 2A3121

■ 2A3121

FFFFFF

■ 161C0B

■ 575F4D

■ 000000

■ 707865

■ 89917E

■ A4AC98

■ BFC7B3

■ DBE3CE

■ F7FFE8

■ 2A3121

■ 2A3121

■ 28311C

■ 2C3126

■ 263117

■ 2E312B

■ 243112

■ 303130

■ 21310D

■ 333135

■ 1F3109

■ 35313A

■ 1D3104

■ 37313E

■ 1C3100

■ 393143

■ 3B3148

■ 3D314D

# Harmonies

## Analogous

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



332F1E



2A3121



203328

# Triad

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



2A3121



1B313D



3F292D

# Complementary

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



2A3121



282131

# 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.



3B2A36



2A3121



262F3F

# Square

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



2A3121



153338



322C3C



3F2925

# Rectangle

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



2A3121



1B332D



322C3C



3E2930



# Sweetspot

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



2A3121



3D4039



312821



1F211D



A1A1A1



212121



# Same Dimension

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



2A3121



354027



223121



181A17



325900



7AD900



# Inverse Universe

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



282131



322740



302131



18171A



270059

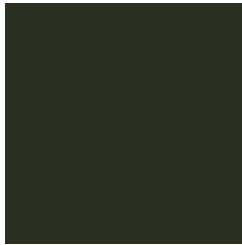


5F00D9



# Previews

## White Background



This preview shows how the Hex color 2A3121 looks on a white background.

## Color Contrast Check

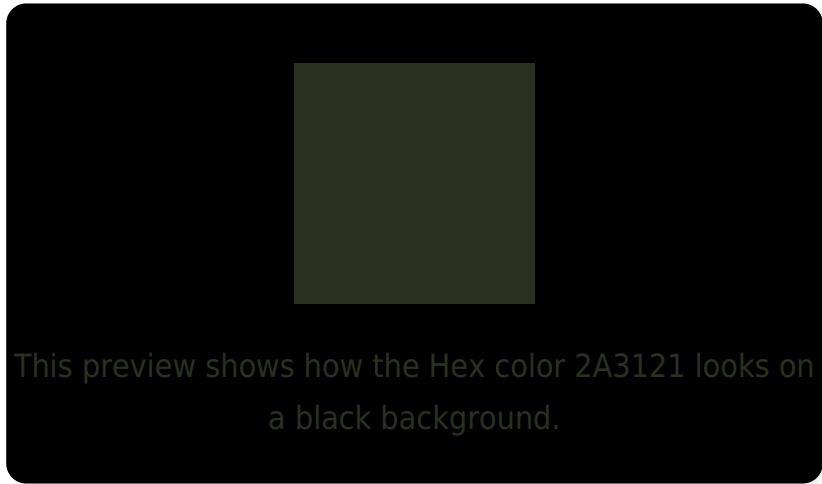
Large Text (above 18pt) WCAG AA ✓ Pass

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

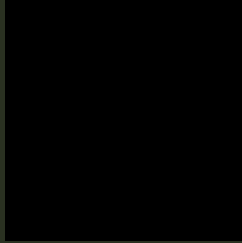
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

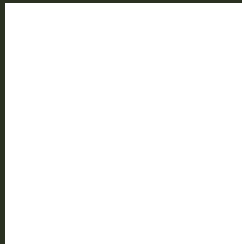
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A3121 Background



This preview shows how black text looks on a background with the Hex color 2A3121.

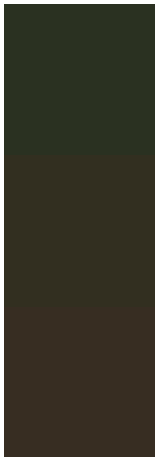


This preview shows how white text looks on a background with the Hex color 2A3121.

# 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**  
2A3121

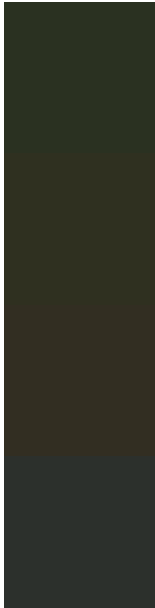
**Protanopia**  
322F20

**Deuteranopia**  
372D22



**Tritanopia**  
2D2F33

# Trichromacy



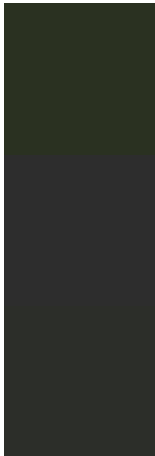
**Original Color**  
2A3121

**Protanomaly**  
2F3020

**Deuteranomaly**  
322E22

**Tritanomaly**  
2C302C

# Monochromacy



**Original Color**  
2A3121

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
2C2E29

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A3121 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 #2A3121 looks like.

```
.text, #text, p{  
    color:#2A3121  
}
```

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 #2A3121 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A3121
}
```

## Border

The CSS property to change the border of an element to Hex 2A3121 is called "border". The border property can be set on classes, ids or directly on the HTML element.

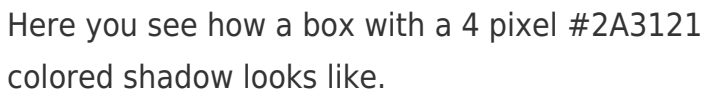
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A3121 }
```

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

```
.border{ border-color:#2A3121 }
```

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



Here you see how a box with a 4 pixel #2A3121 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A3121; -webkit-box-shadow:4px 4px  
4px 4px #2A3121; box-shadow:4px 4px 4px  
4px #2A3121 }
```

# Background

The CSS property to change the background color of an element to Hex 2A3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A3121 }
```

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

```
.background{ background-color:#2A3121 }
```

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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