

# Converting Colors

Hex(25171A)

Have a look what the booklet for  
Hex(25171A) contains.

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# Color

**Hex(25171A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25171A
RGB	37, 23, 26
RGB Percent	15%, 9%, 10%
CMY	0.8549, 0.9098, 0.8980
CMYK	0.00, 0.38, 0.30, 0.85
HSL	347°, 23%, 12%
HSV	347°, 38%, 15%
XYZ	1.2558, 1.0807, 1.1197
YIQ	27.5280, 7.3810, 3.9010

# Conversions

## Conversions Part 2

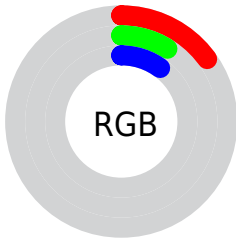
Format	Color
<a href="#">RYB</a>	<a href="#">37, 23, 26</a>
Decimal	<a href="#">2430746</a>
CIELab	<a href="#">9.65, 7.66, 0.73</a>
CIELCh	<a href="#">10, 7.693, 5.413</a>
Yxy	<a href="#">1.0807, 0.3633, 0.3127</a>
Android (android.graphics.Color)	<a href="#">4280620826 (0xFF25171A)</a>
YUV	<a href="#">27.5280, -0.7533, 8.3069</a>
Hunter-Lab	<a href="#">10.3956, 3.3706, 0.8909</a>

# Details

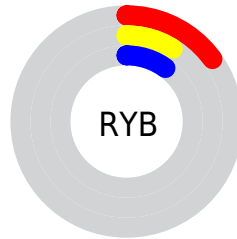
The Hex color **25171A** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **172522**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **524245**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **251317**, and if you desaturate by 10%, it is **251B1D**.

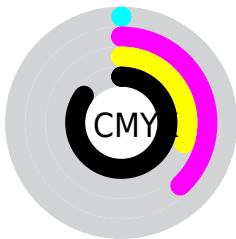
# Distribution



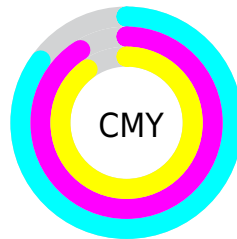
- Red (15%)
- Green (9%)
- Blue (10%)



- Red (15%)
- Yellow (9%)
- Blue (10%)



- Cyan (0%)
- Magenta (38%)
- Yellow (30%)
- Black (85%)



- Cyan (85%)
- Magenta (91%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 25171A 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 25171A by changing the saturation by 10% instead.



■ 25171A

■ 25171A

■ FFF9FD

■ 0F0000

■ 524245

■ 000000

■ 6A595C

■ 847275

■ 9E8B8F

■ B9A5A9

■ D5C1C4

■ F1DDE0

■ 25171A

■ 25171A

■ 251317

■ 251B1D

■ 251014

■ 251E20

■ 250C11

■ 252223

■ 25080E

■ 252626

■ 25050B

■ 252A29

■ 250109

■ 252D2B

■ 250008

■ 25312E

■ 253531

■ 253834

# Harmonies

## Analogous

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



22181F



25171A



251815

# Triad

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



25171A



181C12



0F1C24

# Complementary

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



25171A



172522

# 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.



0B1D21



25171A



121D16

# Square

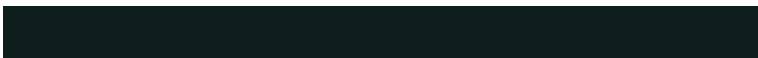
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25171A



1E1B10



0D1E1C



161B25

# Rectangle

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



25171A



231812



0D1E1C



0D1D23



# Sweetspot

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



25171A



302B2C



221725



1A1617



999999



1A1A1A



# Same Dimension

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



25171A



301B1F



251B17



121010



520011



D1002D



# Inverse Universe

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



25171A



301B1F



172125



121010



520011

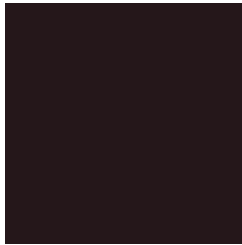


D1002D



# Previews

## White Background



This preview shows how the Hex color 25171A looks on a white background.

## Color Contrast Check

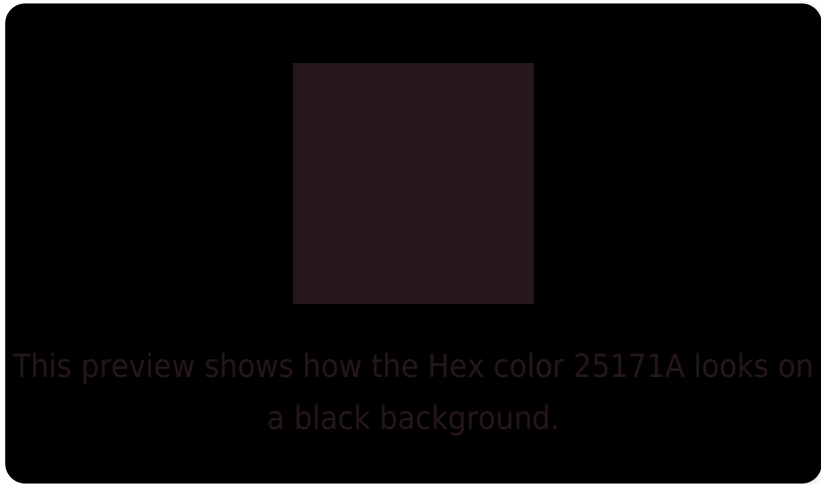
Large Text (above 18pt) WCAG AA ✓ Pass

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

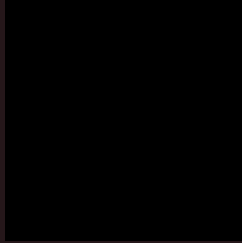
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 25171A Background



This preview shows how black text looks on a background with the Hex color 25171A.

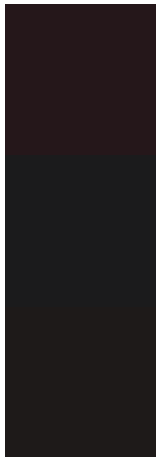


This preview shows how white text looks on a background with the Hex color 25171A.

# 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**  
25171A

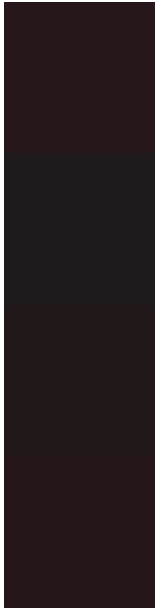
**Protanopia**  
1B1B1C

**Deuteranopia**  
1E1A19



**Tritanopia**  
251719

# Trichromacy



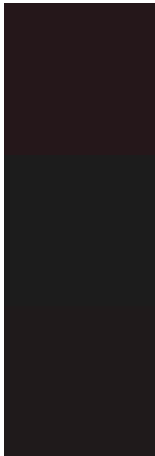
**Original Color**  
25171A

**Protanomaly**  
1F1A1B

**Deuteranomaly**  
211919

**Tritanomaly**  
251719

# Monochromacy



**Original Color**  
25171A

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
1F1A1B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 25171A 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 #25171A looks like.

```
.text, #text, p{  
    color:#25171A  
}
```

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 #25171A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #25171A
}
```

## Border

The CSS property to change the border of an element to Hex 25171A 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
#25171A }
```

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

```
.border{ border-color:#25171A }
```

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

Here you see how a box with a 4 pixel #25171A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #25171A; -webkit-box-shadow:4px 4px  
4px 4px #25171A; box-shadow:4px 4px 4px  
4px #25171A }
```

# Background

The CSS property to change the background color of an element to Hex 25171A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#25171A }
```

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

```
.background{ background-color:#25171A }
```

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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