

# Converting Colors

Hex(24351B)

Have a look what the booklet for  
Hex(24351B) contains.

<b>Hex(24351B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(24351B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	24351B
RGB	36, 53, 27
RGB Percent	14%, 21%, 11%
CMY	0.8588, 0.7922, 0.8941
CMYK	0.32, 0.00, 0.49, 0.79
HSL	99°, 33%, 16%
HSV	99°, 49%, 21%
XYZ	2.1985, 3.0004, 1.5002
YIQ	44.9530, -1.7860, -11.6900

# Conversions

## Conversions Part 2

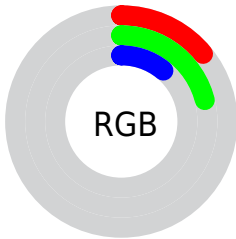
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 53, 44
Decimal	2372891
CIE Lab	20.05, -12.91, 14.20
CIE LCh	20, 19.190, 132.267
Yxy	3.0004, 0.3282, 0.4479
Android (android.graphics.Color)	4280562971 (0xFF24351B)
YUV	44.9530, -8.8508, -7.8518
Hunter-Lab	17.3217, -7.6575, 6.9903

# Details

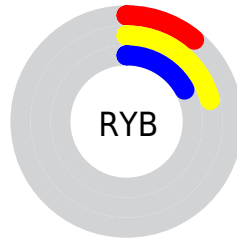
The Hex color **24351B** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2C1B35**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **516447**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **213516**, and if you desaturate by 10%, it is **273520**.

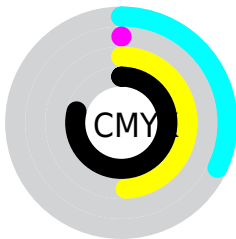
# Distribution



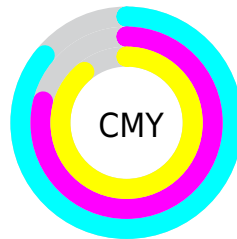
- Red (14%)
- Green (21%)
- Blue (11%)



- Red (11%)
- Yellow (21%)
- Blue (17%)



- Cyan (32%)
- Magenta (0%)
- Yellow (49%)
- Black (79%)



- Cyan (86%)
- Magenta (79%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24351B 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 24351B by changing the saturation by 10% instead.





24351B



24351B

FFFFFF



112001



516447



000000



6A7D5F



839777



9DB191



B8CDAC



D4E9C7



F1FFE3



24351B



24351B

■ 213516

■ 273520

■ 1D3510

■ 2B3526

■ 1A350B

■ 2E352B

■ 163506

■ 323530

■ 133500

■ 353535

■ 123500

■ 39353B

■ 3C3540

■ 403545

■ 43354B

# Harmonies

## Analogous

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



333114



24351B



103727

# Triad

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



24351B



03344B



4B252B

# Complementary

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



24351B



2C1B35

# 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.



462639



24351B



24304C

# Square

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



24351B



003743



392B45



49281E

# Rectangle

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



24351B



003831



392B45



4A2530



# Sweetspot

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



24351B



3E453B



352C1B



1F241D



A3A3A3



242424



# Same Dimension

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



24351B



2A451C



1B351F



181A17



1F5900



4BD900



# Inverse Universe

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



2C1B35



371C45



351B31



19171A



3A0059

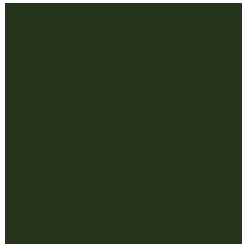


8E00D9



# Previews

## White Background



This preview shows how the Hex color 24351B looks on a white background.

## Color Contrast Check

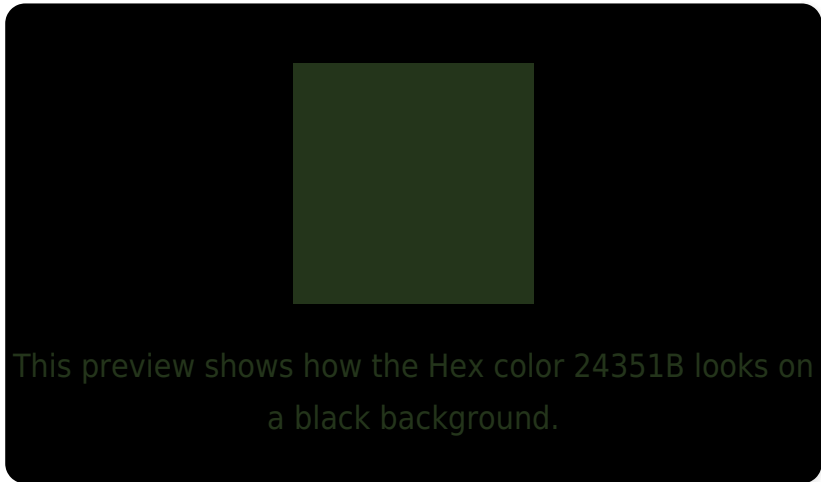
Large Text (above 18pt) WCAG AA ✓ Pass

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

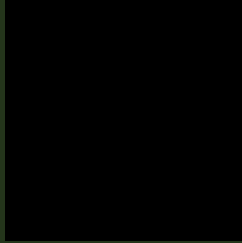
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 24351B Background



This preview shows how black text looks on a background with the Hex color 24351B.



This preview shows how white text looks on a background with the Hex color 24351B.

# 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](#).

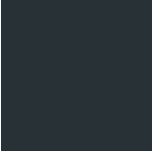
## Dichromacy



**Original Color**  
24351B

**Protanopia**  
353019

**Deuteranopia**  
3B2E1D



**Tritanopia**  
283236

# Trichromacy



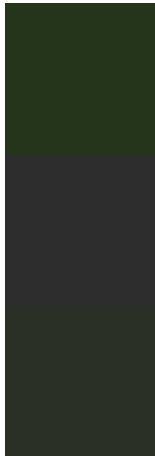
**Original Color**  
24351B

**Protanomaly**  
2F321A

**Deuteranomaly**  
33311C

**Tritanomaly**  
27332C

# Monochromacy



**Original Color**  
24351B

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
2A3026

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24351B 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 #24351B looks like.

```
.text, #text, p{  
    color:#24351B  
}
```

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 #24351B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24351B
}
```

## Border

The CSS property to change the border of an element to Hex 24351B 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".

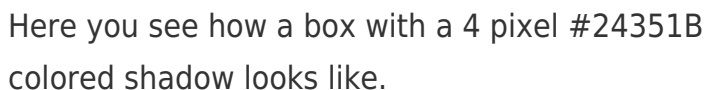
```
.border, #border, table{ border:4px solid
#24351B }
```

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

```
.border{ border-color:#24351B }
```

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

Here you see how a box with a 4 pixel #24351B colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24351B; -webkit-box-shadow:4px 4px  
4px 4px #24351B; box-shadow:4px 4px 4px  
4px #24351B }
```

# Background

The CSS property to change the background color of an element to Hex 24351B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24351B }
```

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

```
.background{ background-color:#24351B }
```

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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