

# Converting Colors

Hex(B24022)

Have a look what the booklet for  
Hex(B24022) contains.

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**Color**

**Hex(B24022)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B24022
RGB	178, 64, 34
RGB Percent	70%, 25%, 13%
CMY	0.3020, 0.7490, 0.8667
CMYK	0.00, 0.64, 0.81, 0.30
HSL	12°, 68%, 42%
HSV	12°, 81%, 70%
XYZ	20.4822, 13.2473, 2.9908
YIQ	94.6660, 77.5740, 14.8380

# Conversions

## Conversions Part 2

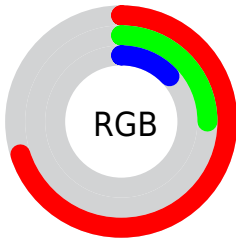
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">178, 72, 34</a>
Decimal	<a href="#">11681826</a>
CIELab	<a href="#">43.13, 44.88, 41.61</a>
CIElCh	<a href="#">43, 61.202, 42.834</a>
Yxy	<a href="#">13.2473, 0.5578, 0.3608</a>
Android (android.graphics.Color)	<a href="#">4289871906 (0xFFB24022)</a>
YUV	<a href="#">94.6660, -29.9083, 73.0839</a>
Hunter-Lab	<a href="#">36.3968, 36.7562, 20.6057</a>

# Details

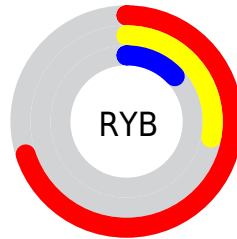
The Hex color **B24022** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **2294B2**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **F07551**, and **760100** is the 20% darker color. If you saturate the color by 10%, you get **B23210**, and if you desaturate by 10%, it is **B24E34**.

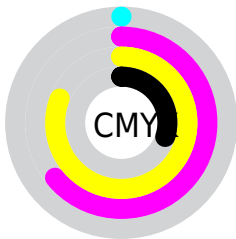
# Distribution



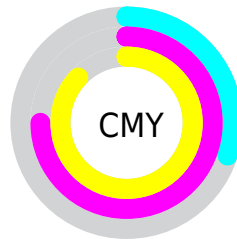
- Red (70%)
- Green (25%)
- Blue (13%)



- Red (70%)
- Yellow (28%)
- Blue (13%)



- Cyan (0%)
- Magenta (64%)
- Yellow (81%)
- Black (30%)



- Cyan (30%)
- Magenta (75%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B24022 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 B24022 by changing the saturation by 10% instead.



 B24022

 B24022

FFFFFF

 94250A

 F07551

 760100

 FF906A

 580000

 FFAB83

 3C0001

 FFC79E

 1D0001

 FFE4B9

 000000

 FFFFD5

 FFFFF1

 B24022

 B24022

 B23210

 B24E34

 B22500

 B25C46

 B26A57

 B27869

 B2867B

 B2958D

 B2A39F

 B2B1B0

 B2BFC2

# Harmonies

## Analogous

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



BE2A52



B24022



935900

# Triad

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



B24022



007A46



0065CA

# Complementary

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



B24022



2294B2

# 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.



0074C7



B24022



007C7B

# Square

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



B24022



2A750C



007BAA



824DB1

# Rectangle

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



B24022



776500



007BAA



006BCC



# Sweetspot

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



B24022



E8BCB0



B22295



755A53



F5F5F5



757575



# Same Dimension

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



B24022



E83607



B28722



595250



992000



1A0500



# Inverse Universe

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



2294B2



07B9E8



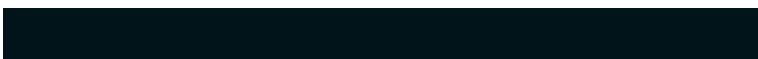
224DB2



505759



007999

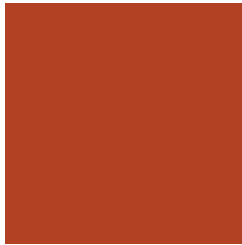


00141A



# Previews

## White Background



This preview shows how the Hex color B24022 looks on a white background.

## Color Contrast Check

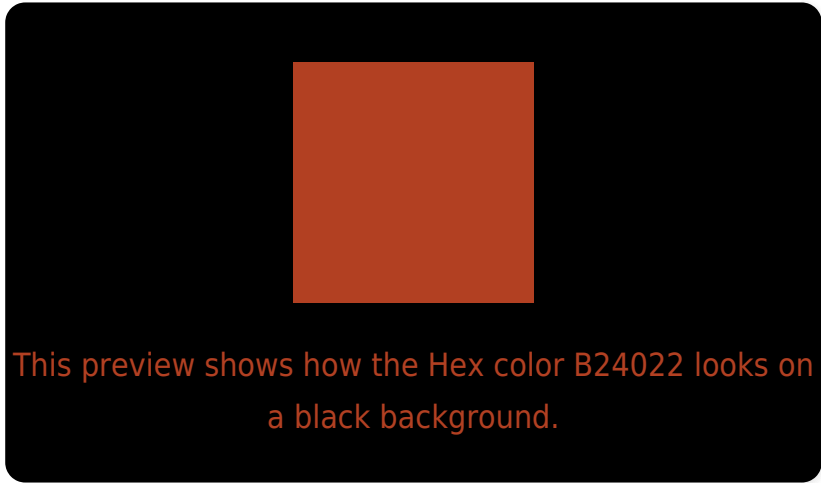
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 B24022 Background



This preview shows how black text looks on a background with the Hex color B24022.



This preview shows how white text looks on a background with the Hex color B24022.

# 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**  
B24022

**Protanopia**  
72672D

**Deuteranopia**  
816117



**Tritanopia**  
B33D40

# Trichromacy



**Original Color**  
B24022

**Protanomaly**  
895929

**Deuteranomaly**  
93551B

**Tritanomaly**  
B33E35

# Monochromacy



**Original Color**  
B24022

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
7D5449

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B24022 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 #B24022 looks like.

```
.text, #text, p{  
    color:#B24022  
}
```

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 #B24022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B24022  
}
```

## Border

The CSS property to change the border of an element to Hex B24022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

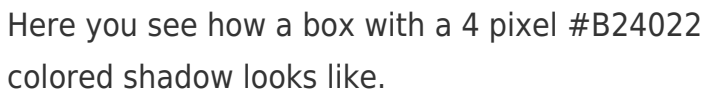
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#B24022 }
```

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

```
.border{ border-color:#B24022 }
```

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



Here you see how a box with a 4 pixel #B24022 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B24022; -webkit-box-shadow:4px 4px  
4px 4px #B24022; box-shadow:4px 4px 4px  
4px #B24022 }
```

# Background

The CSS property to change the background color of an element to Hex B24022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B24022 }
```

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

```
.background{ background-color:#B24022 }
```

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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