

# Converting Colors

Hex(563A13)

Have a look what the booklet for  
Hex(563A13) contains.

<b>Hex(563A13)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(563A13)**

# Conversions

## Conversions Part 1

Format	Color
Hex	563A13
RGB	86, 58, 19
RGB Percent	34%, 23%, 7%
CMY	0.6627, 0.7725, 0.9255
CMYK	0.00, 0.33, 0.78, 0.66
HSL	35°, 64%, 21%
HSV	35°, 78%, 34%
XYZ	5.4684, 5.0516, 1.3029
YIQ	61.9260, 29.2070, -6.1930

# Conversions

## Conversions Part 2

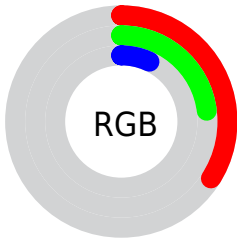
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 86, 19
Decimal	5650963
CIELab	26.88, 8.19, 28.19
CIELCh	27, 29.353, 73.798
Yxy	5.0516, 0.4625, 0.4273
Android (android.graphics.Color)	4283841043 (0xFF563A13)
YUV	61.9260, -21.1625, 21.1129
Hunter-Lab	22.4757, 4.0967, 12.2959

# Details

The Hex color **563A13** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **132F56**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **8B6940**, and **251000** is the 20% darker color. If you saturate the color by 10%, you get **56360A**, and if you desaturate by 10%, it is **563E1C**.

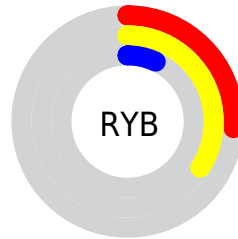
# Distribution



Red (34%)

Green (23%)

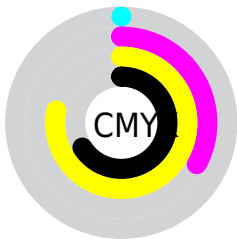
Blue (7%)



Red (26%)

Yellow (34%)

Blue (7%)

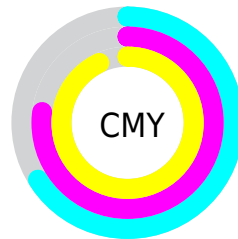


Cyan (0%)

Magenta (33%)

Yellow (78%)

Black (66%)



Cyan (66%)

Magenta (77%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 563A13 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 563A13 by changing the saturation by 10% instead.



 563A13

 563A13

 FFFFF9

 3E2400

 8B6940

 251000

 A68258

 000000

 C29C70

 DFB78A

 FCD3A5

 FFEFC0

 FFFFDC

 563A13

 563A13

■ 56360A

■ 563E1C

■ 563302

■ 564124

■ 563200

■ 56452D

■ 564835

■ 564C3E

■ 565047

■ 56534F

■ 565758

■ 565A60

# Harmonies

## Analogous

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



643121



563A13



424211

# Triad

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



563A13



004B4A



4E3560

# Complementary

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



563A13



132F56

# 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.



2A3E6B



563A13



00495E

# Square

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



563A13



004A32



00456A



622D4D

# Rectangle

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



563A13



324518



00456A



443865



# Sweetspot

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



563A13



706556



561330



383228



B8B8B8



383838



# Same Dimension

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



563A13



704508



525613



2B2A27



6B3E00



EB8900



# Inverse Universe

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



132F56



083370



171356



27292B



002D6B



0062EB



# Previews

## White Background



This preview shows how the Hex color 563A13 looks on a white background.

## Color Contrast Check

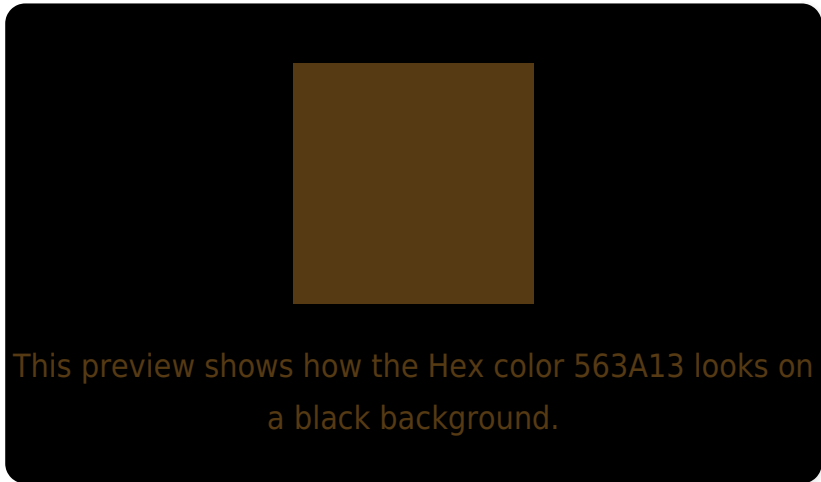
Large Text (above 18pt) WCAG AA ✓ Pass

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

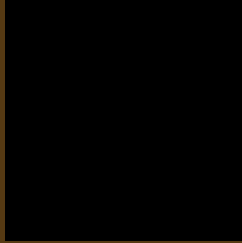
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 563A13 Background



This preview shows how black text looks on a background with the Hex color 563A13.



This preview shows how white text looks on a background with the Hex color 563A13.

# 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**  
563A13

**Protanopia**  
484015

**Deuteranopia**  
503D12



**Tritanopia**  
58363A

# Trichromacy



**Original Color**  
563A13

**Protanomaly**  
4D3E14

**Deuteranomaly**  
523C12

**Tritanomaly**  
57372C

# Monochromacy



**Original Color**  
563A13

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
473D2E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 563A13 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 #563A13 looks like.

```
.text, #text, p{  
    color:#563A13  
}
```

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 #563A13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #563A13
}
```

## Border

The CSS property to change the border of an element to Hex 563A13 is called "border". The border property can be set on classes, ids or directly on the HTML element.

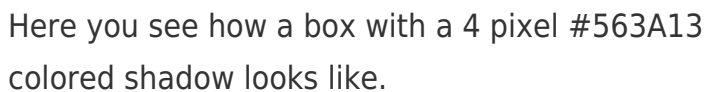
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#563A13 }
```

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

```
.border{ border-color:#563A13 }
```

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



Here you see how a box with a 4 pixel #563A13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #563A13; -webkit-box-shadow:4px 4px  
4px 4px #563A13; box-shadow:4px 4px 4px  
4px #563A13 }
```

# Background

The CSS property to change the background color of an element to Hex 563A13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#563A13 }
```

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

```
.background{ background-color:#563A13 }
```

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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