

Converting Colors

Hex(12100A)

Have a look what the booklet for
Hex(12100A) contains.

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Color

Hex(12100A)

Conversions

Conversions Part 1

Format	Color
Hex	12100A
RGB	18, 16, 10
RGB Percent	7%, 6%, 4%
CMY	0.9294, 0.9373, 0.9608
CMYK	0.00, 0.11, 0.44, 0.93
HSL	45°, 29%, 5%
HSV	45°, 44%, 7%
XYZ	0.4895, 0.5211, 0.3619
YIQ	15.9140, 3.1180, -1.4420

Conversions

Conversions Part 2

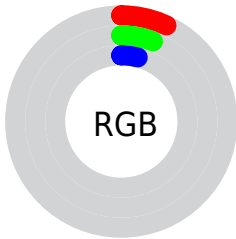
Format	Color
RYB	13, 18, 10
Decimal	1183754
CIELab	4.71, -0.24, 2.94
CIElCh	5, 2.948, 94.586
Yxy	0.5211, 0.3567, 0.3796
Android (android.graphics.Color)	4279373834 (0xFF12100A)
YUV	15.9140, -2.9156, 1.8294
Hunter-Lab	7.2187, -0.5278, 2.0803

Details

The Hex color **12100A** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **0A0C12**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **3C3B36**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **121008**, and if you desaturate by 10%, it is **12100C**.

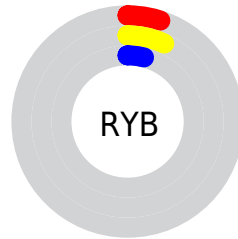
Distribution



Red (7%)

Green (6%)

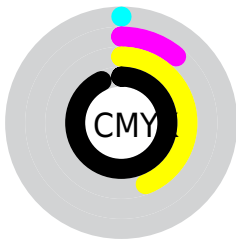
Blue (4%)



Red (5%)

Yellow (7%)

Blue (4%)

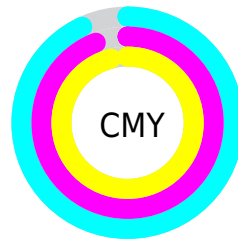


Cyan (0%)

Magenta (11%)

Yellow (44%)

Black (93%)



Cyan (93%)

Magenta (94%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12100A 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 12100A by changing the saturation by 10% instead.

■ 12100A

■ 12100A

■ F2F0EA

■ 000000

■ 3C3B36

■ 53524D

■ 6C6A65

■ 85837E

■ 9F9D98

■ BAB8B2

■ D5D3CE

■ 12100A

■ 12100A

■ 121008

■ 12100C

■ 120F06

■ 12110E

■ 120F05

■ 12110F

■ 120E03

■ 121211

■ 120E01

■ 121213

■ 120E00

■ 121315

■ 121317

■ 121418

■ 12141A

Harmonies

Analogous

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



140F0B



12100A



0F110B

Triad

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



12100A



091213



140F12

Complementary

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



12100A



0A0C12

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.



110F14



12100A



0B1114

Square

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



12100A



091210



0E1015



150E10

Rectangle

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



12100A



0D110D



0E1015



130F13

Sweetspot

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



12100A



171614



120A0C



0D0C0B



8C8C8C



0D0D0D

Same Dimension

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



12100A



17140B



10120A



0A0A09



4A3700



C99700

Inverse Universe

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



0A0C12



0B0E17



0C0A12



09090A



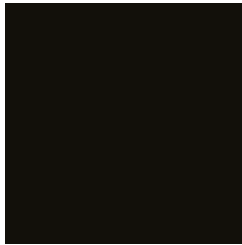
00124A



0032C9

Previews

White Background



This preview shows how the Hex color 12100A looks on a white background.

Color Contrast Check

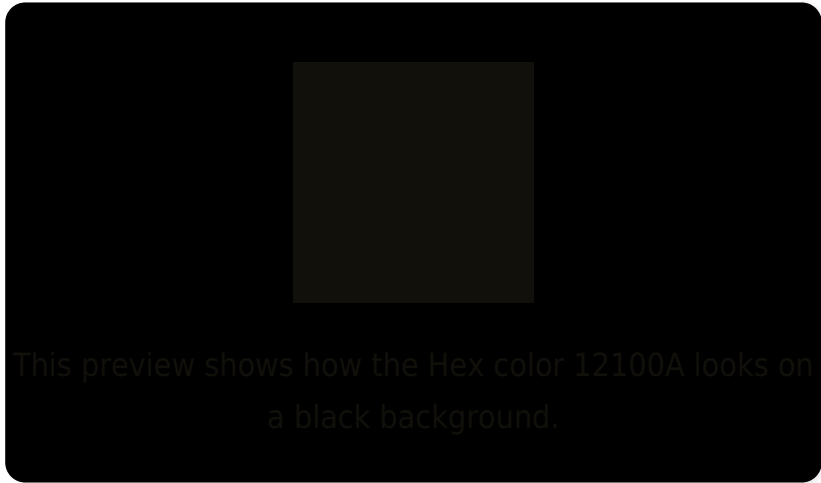
Large Text (above 18pt) WCAG AA ✓ Pass

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

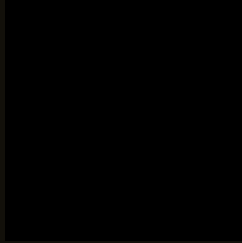
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

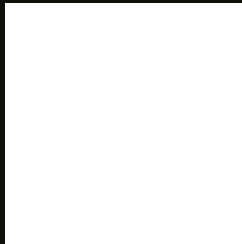
Any Text WCAG AAA × Fail

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

Hex 12100A Background



This preview shows how black text looks on a background with the Hex color 12100A.

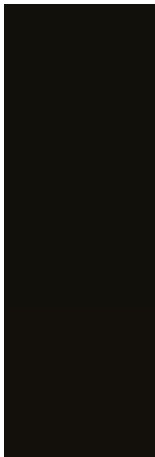


This preview shows how white text looks on a background with the Hex color 12100A.

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
12100A

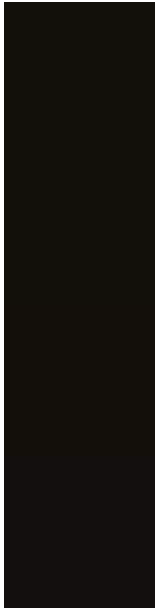
Protanopia
12100A

Deuteranopia
130F0A



Tritanopia
130F10

Trichromacy



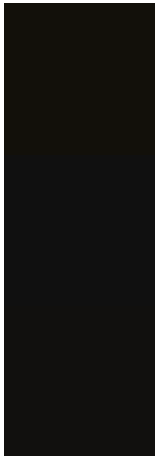
Original Color
12100A

Protanomaly
12100A

Deuteranomaly
130F0A

Tritanomaly
130F0E

Monochromacy



Original Color
12100A

Achromatopsia
101010

Achromatomaly
11100E

CSS Examples

Text

The CSS property to change the color of the text to Hex 12100A 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 #12100A looks like.

```
.text, #text, p{  
    color:#12100A  
}
```

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 #12100A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12100A
}
```

Border

The CSS property to change the border of an element to Hex 12100A is called "border". The border property can be set on classes, ids or directly on the HTML element.

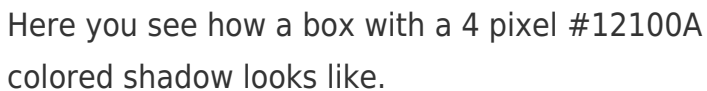
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#12100A }
```

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

```
.border{ border-color:#12100A }
```

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



Here you see how a box with a 4 pixel #12100A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12100A; -webkit-box-shadow:4px 4px  
4px 4px #12100A; box-shadow:4px 4px 4px  
4px #12100A }
```

Background

The CSS property to change the background color of an element to Hex 12100A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12100A }
```

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

```
.background{ background-color:#12100A }
```

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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