

Converting Colors

Hex(780021)

Have a look what the booklet for
Hex(780021) contains.

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Color

Hex(780021)

Conversions

Conversions Part 1

Format	Color
Hex	780021
RGB	120, 0, 33
RGB Percent	47%, 0%, 13%
CMY	0.5294, 1.0000, 0.8706
CMYK	0.00, 1.00, 0.72, 0.53
HSL	344°, 100%, 24%
HSV	344°, 100%, 47%
XYZ	8.0202, 4.1029, 1.8081
YIQ	39.6420, 60.9270, 35.7030

Conversions

Conversions Part 2

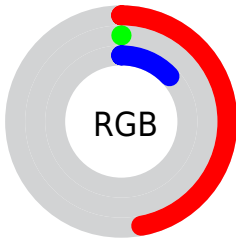
Format	Color
R_{YB}	120, 0, 33
Decimal	7864353
CIE _{Lab}	24.01, 46.86, 17.96
CIE _{LCh}	24, 50.179, 20.967
Yxy	4.1029, 0.5757, 0.2945
Android (android.graphics.Color)	4286054433 (0xFF780021)
YUV	39.6420, -3.2745, 70.4740
Hunter-Lab	20.2556, 35.2303, 8.8865

Details

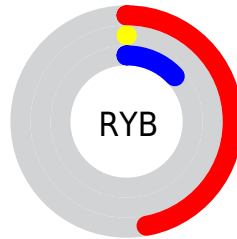
The Hex color **780021** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **007857**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **B2414D**, and **400000** is the 20% darker color. If you saturate the color by 10%, you get **780021**, and if you desaturate by 10%, it is **780C2A**.

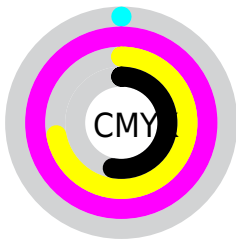
Distribution



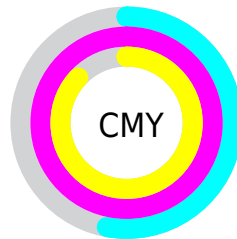
- Red (47%)
- Green (0%)
- Blue (13%)



- Red (47%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (53%)



- Cyan (53%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 780021 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 780021 by changing the saturation by 10% instead.

 780021

 780021

FFFFFF

 5C000B

 B2414D

 400000

 D05C65

 230001

 EF767E

 000000

 FF9197

 FFADB2

 FFC9CE

 FFE6EA

 780021

 780C2A

 781832

 78243B

 783044

 783C4C

 784855

 78545E

 786067

 786C6F

Harmonies

Analogous

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



740046



780021



6A2000

Triad

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



780021



004500



004185

Complementary

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



780021



007857

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.



004774



780021



00482C

Square

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



780021



2E3F00



004953



053481

Rectangle

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



780021



5A2E00



004953



004481

Sweetspot

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



780021



9C6D7A



560078



4F333A



CFCFCF



4F4F4F

Same Dimension

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



780021



9C002B



781A00



3D3739



7D0022



FC0045

Inverse Universe

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



780021



9C002B



005E78



3D3739



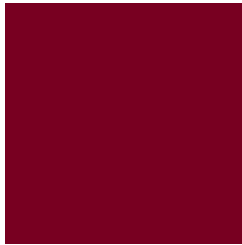
7D0022



FC0045

Previews

White Background



This preview shows how the Hex color 780021 looks on a white background.

Color Contrast Check

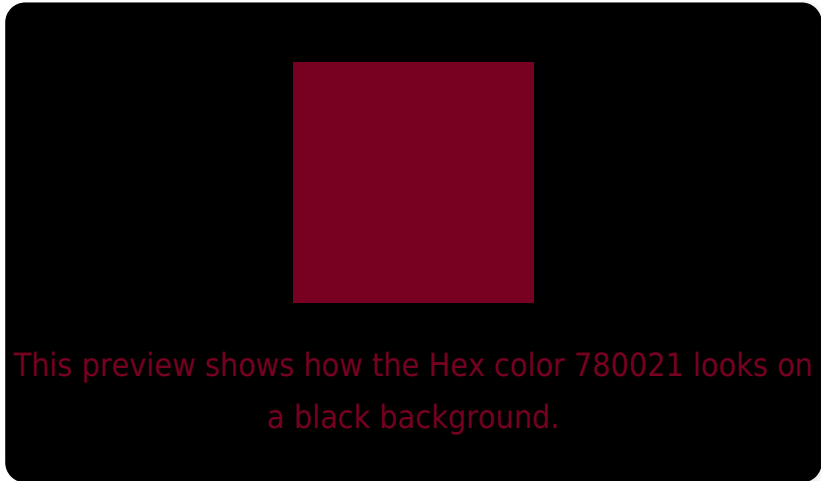
Large Text (above 18pt) WCAG AA ✓ Pass

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 780021 Background



This preview shows how black text looks on a background with the Hex color 780021.

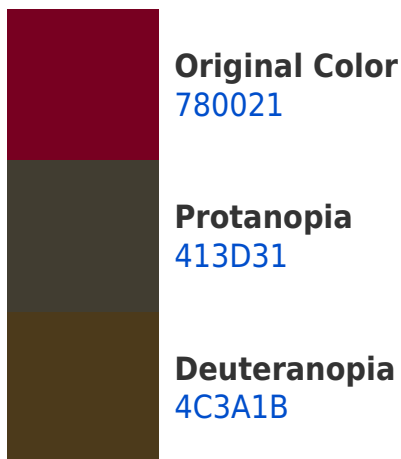


This preview shows how white text looks on a background with the Hex color 780021.

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





Tritanopia
780E0A

Trichromacy



Original Color
780021

Protanomaly
55272B

Deuteranomaly
5C251D

Tritanomaly
780912

Monochromacy



Original Color
780021

Achromatopsia
282828

Achromatomaly
451925

CSS Examples

Text

The CSS property to change the color of the text to Hex 780021 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 #780021 looks like.

```
.text, #text, p{  
    color:#780021  
}
```

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 #780021 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #780021
}
```

Border

The CSS property to change the border of an element to Hex 780021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

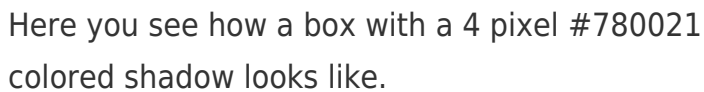
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#780021 }
```

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

```
.border{ border-color:#780021 }
```

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



Here you see how a box with a 4 pixel #780021 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #780021; -webkit-box-shadow:4px 4px  
4px 4px #780021; box-shadow:4px 4px 4px  
4px #780021 }
```

Background

The CSS property to change the background color of an element to Hex 780021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#780021 }
```

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

```
.background{ background-color:#780021 }
```

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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