

# Converting Colors

Hex(786A10)

Have a look what the booklet for  
Hex(786A10) contains.

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**Color**

**Hex(786A10)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	786A10
RGB	120, 106, 16
RGB Percent	47%, 42%, 6%
CMY	0.5294, 0.5843, 0.9373
CMYK	0.00, 0.12, 0.87, 0.53
HSL	52°, 76%, 27%
HSV	52°, 87%, 47%
XYZ	12.9933, 14.3385, 2.5730
YIQ	99.9260, 37.2340, -25.0220

# Conversions

## Conversions Part 2

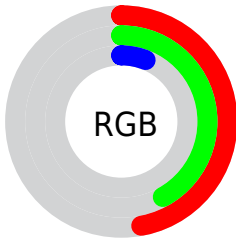
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 120, 16
Decimal	7891472
CIE <sub>Lab</sub>	44.71, -4.13, 47.29
CIE <sub>LCh</sub>	45, 47.468, 94.991
Yxy	14.3385, 0.4345, 0.4795
Android (android.graphics.Color)	4286081552 (0xFF786A10)
YUV	99.9260, -41.3755, 17.6049
Hunter-Lab	37.8663, -5.0162, 22.4776

# Details

The Hex color **786A10** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **101E78**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **AF9D45**, and **443B00** is the 20% darker color. If you saturate the color by 10%, you get **786804**, and if you desaturate by 10%, it is **786C1C**.

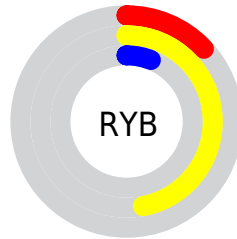
# Distribution



Red (47%)

Green (42%)

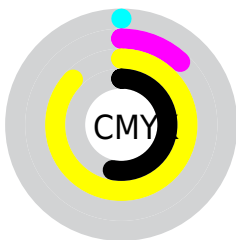
Blue (6%)



Red (13%)

Yellow (47%)

Blue (6%)

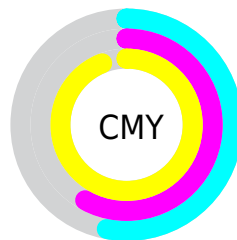


Cyan (0%)

Magenta (12%)

Yellow (87%)

Black (53%)



Cyan (53%)

Magenta (58%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 786A10 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 786A10 by changing the saturation by 10% instead.



 786A10

 786A10

FFFFFF

 5D5200

 AF9D45

 443B00

 CCB85F

 2A2600

 E9D379

 0F1200

 FFF093

 000000

 FFFF4F

 FFFF00

FFFFCB

 FFFF00

FFFFE7

 786A10

 786A10

■ 786804

■ 786C1C

■ 786800

■ 786D28

■ 786F34

■ 787040

■ 78724C

■ 787458

■ 787564

■ 787770

■ 78797C

# Harmonies

## Analogous

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



985B1F



786A10



4F7423

# Triad

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



786A10



007C96



9F4C8C

# Complementary

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



786A10



101E78

# 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.



745CAB



786A10



0077B1

# Square

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



786A10



007D6F



0E6CB9



B14465

# Rectangle

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



786A10



27793A



0E6CB9



935198



# Sweetspot

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



786A10



9C9673



781020



4F4C37



CFCFCF



4F4F4F



# Same Dimension

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



786A10



9C8700



547810



3D3C37



7D6C00



FCDA00



# Inverse Universe

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



101E78



00159C



341078



37383D



00117D

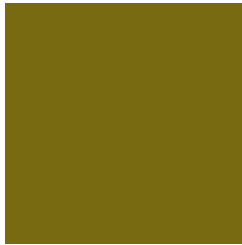


0022FC



# Previews

## White Background



This preview shows how the Hex color 786A10 looks on a white background.

## Color Contrast Check

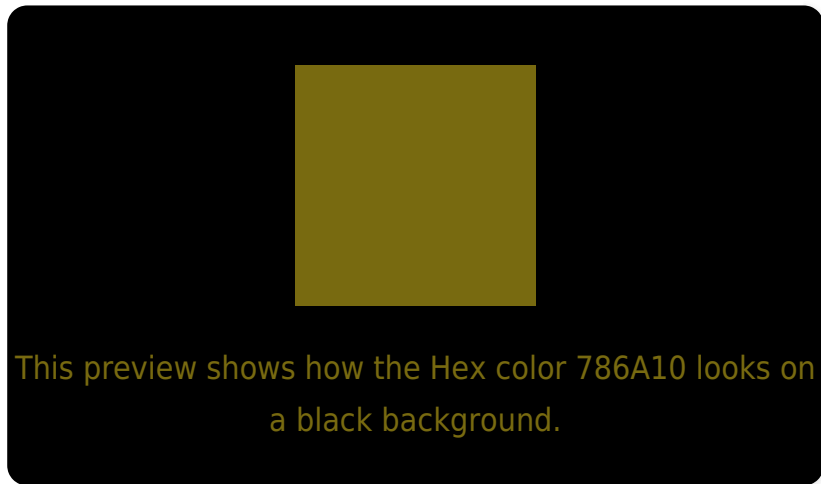
Large Text (above 18pt) WCAG AA ✓ Pass

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 786A10 Background



This preview shows how black text looks on a background with the Hex color 786A10.



This preview shows how white text looks on a background with the Hex color 786A10.

# 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**

786A10

**Protanopia**

776A10

**Deuteranopia**

866414



**Tritanopia**  
7E636A

# Trichromacy



**Original Color**  
786A10

**Protanomaly**  
776A10

**Deuteranomaly**  
816613

**Tritanomaly**  
7C6649

# Monochromacy



**Original Color**  
786A10

**Achromatopsia**  
646464

**Achromatomaly**  
6B6645

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 786A10 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 #786A10 looks like.

```
.text, #text, p{  
    color:#786A10  
}
```

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 #786A10 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #786A10
}
```

## Border

The CSS property to change the border of an element to Hex 786A10 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
#786A10 }
```

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

```
.border{ border-color:#786A10 }
```

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

Here you see how a box with a 4 pixel #786A10 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #786A10; -webkit-box-shadow:4px 4px  
4px 4px #786A10; box-shadow:4px 4px 4px  
4px #786A10 }
```

# Background

The CSS property to change the background color of an element to Hex 786A10 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#786A10 }
```

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

```
.background{ background-color:#786A10 }
```

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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