

# Converting Colors

Hex(072478)

Have a look what the booklet for  
Hex(072478) contains.

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# Color

**Hex(072478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	072478
RGB	7, 36, 120
RGB Percent	3%, 14%, 47%
CMY	0.9725, 0.8588, 0.5294
CMYK	0.94, 0.70, 0.00, 0.53
HSL	225°, 89%, 25%
HSV	225°, 94%, 47%
XYZ	4.1087, 2.6630, 18.0668
YIQ	36.9050, -44.2480, 19.9760

# Conversions

## Conversions Part 2

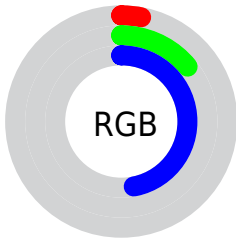
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 30, 120
Decimal	468088
CIELab	18.64, 26.17, -50.18
CIELCh	19, 56.590, 297.542
Yxy	2.6630, 0.1654, 0.1072
Android (android.graphics.Color)	4278658168 (0xFF072478)
YUV	36.9050, 40.9658, -26.2267
Hunter-Lab	16.3187, 16.3845, -54.2182

# Details

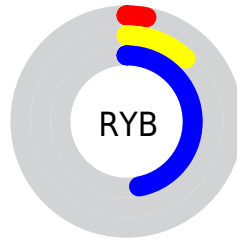
The Hex color **072478** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **785B07**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **4E50AD**, and **000046** is the 20% darker color. If you saturate the color by 10%, you get **001F78**, and if you desaturate by 10%, it is **132D78**.

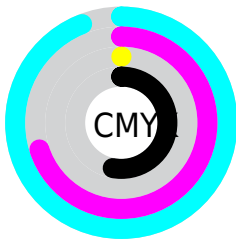
# Distribution



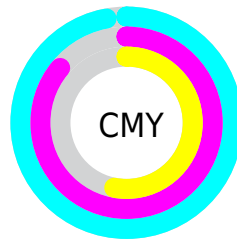
- Red (3%)
- Green (14%)
- Blue (47%)



- Red (3%)
- Yellow (12%)
- Blue (47%)



- Cyan (94%)
- Magenta (70%)
- Yellow (0%)
- Black (53%)



- Cyan (97%)
- Magenta (86%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 072478 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 072478 by changing the saturation by 10% instead.



072478

072478

FFFFFF

00105F

4E50AD

000046

6A68C9

00042F

8682E5

000119

A39CFF

000000

BFB7FF

DCD2FF

FAEEFF

072478

072478

■ 001F78

■ 132D78

■ 1F3678

■ 2B3F78

■ 374878

■ 435178

■ 4F5A78

■ 5B6278

■ 676B78

■ 737478

# Harmonies

## Analogous

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



003582



072478



58005A

# Triad

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



072478



5A1400



003C29

# Complementary

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



072478



785B07

# 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.



003A00



072478



3C2B00

# Square

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



072478



6D0008



103500



003D53

# Rectangle

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



072478



6A0040



103500



003C1A



# Sweetspot

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



072478



707B9C



07785A



343B4F



CFCFCF



4F4F4F



# Same Dimension

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



072478



00289C



210778



37393D



00207D



0041FC



# Inverse Universe

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



780724



9C0028



5E7807



3D3739



7D0020



FC0041



# Previews

## White Background



This preview shows how the Hex color 072478 looks on a white background.

## Color Contrast Check

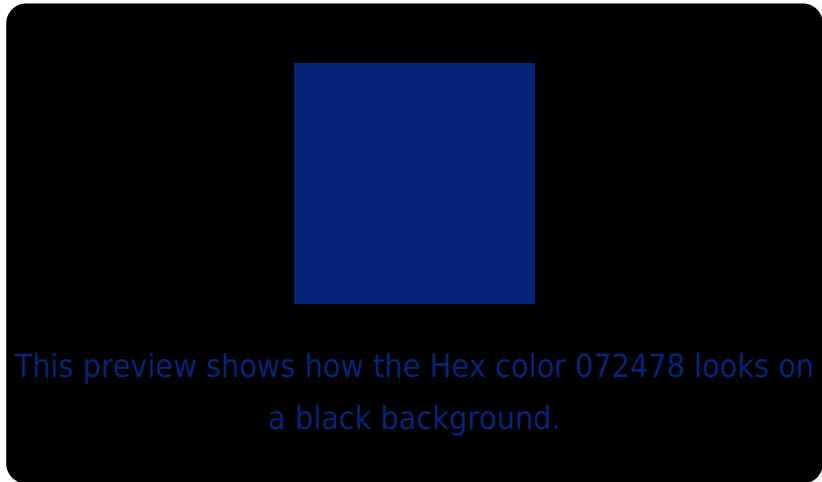
Large Text (above 18pt) WCAG AA ✓ Pass

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

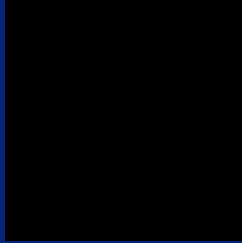
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 072478 Background



This preview shows how black text looks on a background with the Hex color 072478.



This preview shows how white text looks on a background with the Hex color 072478.

# 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**  
072478

**Protanopia**  
002D5E

**Deuteranopia**  
003050



**Tritanopia**  
003336

# Trichromacy



**Original Color**  
072478

**Protanomaly**  
032A67

**Deuteranomaly**  
032C5F

**Tritanomaly**  
032E4E

# Monochromacy



**Original Color**  
072478

**Achromatopsia**  
252525

**Achromatomaly**  
1A2543

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 072478 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 #072478 looks like.

```
.text, #text, p{  
    color:#072478  
}
```

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 #072478 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #072478
}
```

## Border

The CSS property to change the border of an element to Hex 072478 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
#072478 }
```

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

```
.border{ border-color:#072478 }
```

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

Here you see how a box with a 4 pixel #072478 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #072478; -webkit-box-shadow:4px 4px  
4px 4px #072478; box-shadow:4px 4px 4px  
4px #072478 }
```

# Background

The CSS property to change the background color of an element to Hex 072478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#072478 }
```

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

```
.background{ background-color:#072478 }
```

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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