

# Converting Colors

Hex(224876)

Have a look what the booklet for  
Hex(224876) contains.

<b>Hex(224876)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(224876)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	224876
RGB	34, 72, 118
RGB Percent	13%, 28%, 46%
CMY	0.8667, 0.7176, 0.5373
CMYK	0.71, 0.39, 0.00, 0.54
HSL	213°, 55%, 30%
HSV	213°, 71%, 46%
XYZ	6.2471, 6.2828, 18.0230
YIQ	65.8820, -37.4140, 6.2500

# Conversions

## Conversions Part 2

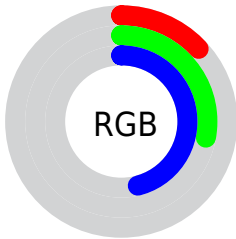
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 60, 118
Decimal	2246774
CIE <sub>Lab</sub>	30.12, 3.01, -30.30
CIE <sub>LCh</sub>	30, 30.453, 275.673
Yxy	6.2828, 0.2045, 0.2056
Android (android.graphics.Color)	4280436854 (0xFF224876)
YUV	65.8820, 25.6942, -27.9605
Hunter-Lab	25.0655, 0.6227, -25.0857




# Details

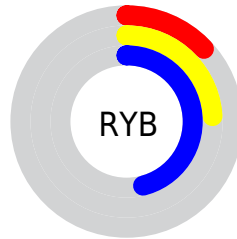
The Hex color **224876** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **765022**, and the grayscale version is **424242**.




A 20% lighter version of the original color is **5978AA**, and **001D45** is the 20% darker color. If you saturate the color by 10%, you get **164276**, and if you desaturate by 10%, it is **2E4E76**.

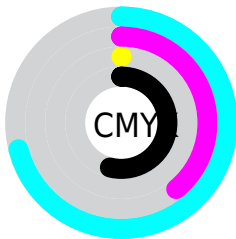
# Distribution







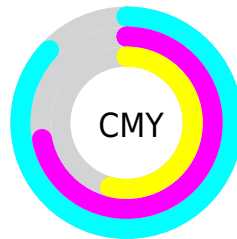
-  Red (13%)
-  Green (28%)
-  Blue (46%)






-  Red (13%)
-  Yellow (24%)
-  Blue (46%)



-  Cyan (71%)
-  Magenta (39%)
-  Yellow (0%)
-  Black (54%)



-  Cyan (87%)
-  Magenta (72%)
-  Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 224876 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 224876 by changing the saturation by 10% instead.



■ 224876

■ 224876

FFFFFF

■ 00325D

■ 5978AA

■ 001D45

■ 7492C6

■ 00022F

■ 8FACE2

■ 000119

■ ABC7FF

■ 000000

■ C7E3FF

■ E4FFFF

■ 224876

■ 224876

■ 164276

■ 2E4E76

■ 0A3B76

■ 3A5576

■ 003576

■ 455B76

■ 516276

■ 5D6876

■ 696F76

■ 757576

■ 807C76

■ 8C8276

# Harmonies

## Analogous

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



004F72



224876



4E3F6E

# Triad

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



224876



70362D



135133

# Complementary

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



224876



765022

# 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.



374D1E



224876



643F1B

# Square

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



224876



723243



504715



00534B

# Rectangle

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



224876



613962



504715



22502B



# Sweetspot

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



224876



798799



22764F



39424D



CCCCCC



4D4D4D



# Same Dimension

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



224876



175299



252276



35373B



00377A



0071FA



# Inverse Universe

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



762248



991752



737622



3B3537



7A0037



FA0071



# Previews

## White Background



This preview shows how the Hex color 224876 looks on a white background.

## Color Contrast Check

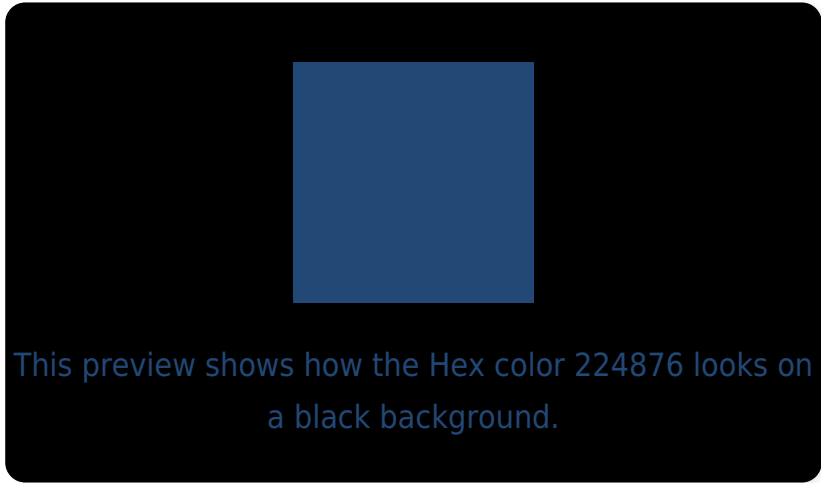
Large Text (above 18pt) WCAG AA ✓ Pass

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

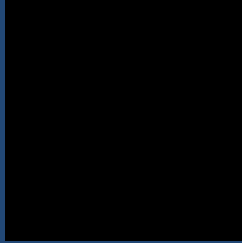
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 224876 Background



This preview shows how black text looks on a background with the Hex color 224876.



This preview shows how white text looks on a background with the Hex color 224876.

# 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**  
224876

**Protanopia**  
344573

**Deuteranopia**  
274776



**Tritanopia**  
004F55

# Trichromacy



**Original Color**  
224876

**Protanomaly**  
2D4674

**Deuteranomaly**  
254776

**Tritanomaly**  
0C4C61

# Monochromacy



**Original Color**  
224876

**Achromatopsia**  
424242

**Achromatomaly**  
364455

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 224876 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 #224876 looks like.

```
.text, #text, p{  
    color:#224876  
}
```

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 #224876 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #224876
}
```

## Border

The CSS property to change the border of an element to Hex 224876 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
#224876 }
```

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

```
.border{ border-color:#224876 }
```

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

Here you see how a box with a 4 pixel #224876 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #224876; -webkit-box-shadow:4px 4px  
4px 4px #224876; box-shadow:4px 4px 4px  
4px #224876 }
```

# Background

The CSS property to change the background color of an element to Hex 224876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#224876 }
```

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

```
.background{ background-color:#224876 }
```

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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